

THE WORLD'S BEST-SELLING AMIGA MAGAZINE

Future Entertainment Show Full preview inside

AMIGA FORMAT

ISSUE 40 ■ NOVEMBER 1992 ■ £3.95

Incredible!
Two complete packages worth a total of £100

The **AMIGA** Collection
FORMAT

No.8 RRP £100

TVText

The easiest Video Titler available!

FULL VIDEO TITLING PACKAGE!
TVText: it must be the simplest way to give your videos the professional touch!

CROSSDOS

FILE EXCHANGE UTILITY!
Cross-DOS: open you Amiga up to the outside world with this excellent utility.



● A 500 Plus Compatible ● 1Mb Required ●

AMIGA Arcade Issue 40
FORMAT

The Chaos Engine

Find out if the Bitmaps have done it again with this all-action blast-em-up.



Play US Gold's atmospheric, texture-mapped, adventure RPG, starring your fave AF staffers.



Legend of Valour

Plus:
More Bullfrogs' programming tutorial files

1Mb and 512K ● A 500 Plus Compatible

Get the most from DPaint

It's easy using the hints, tips and tricks from the pros in our mammoth guide to all that's great in Amiga graphics

97%

The best of all time?

It gets Amiga Format's highest ever software rating - but what is it?!



NO COVERDISKS?
THEN ASK FOR THEM FROM YOUR NEWSAGENT

Revealed! Not one but two new A600 packs - read our verdict. Digitisers: which one's best for you? WPs: tested and rated. **PLUS: program with Bullfrog**

Future
PUBLISHING
Your guarantee of value

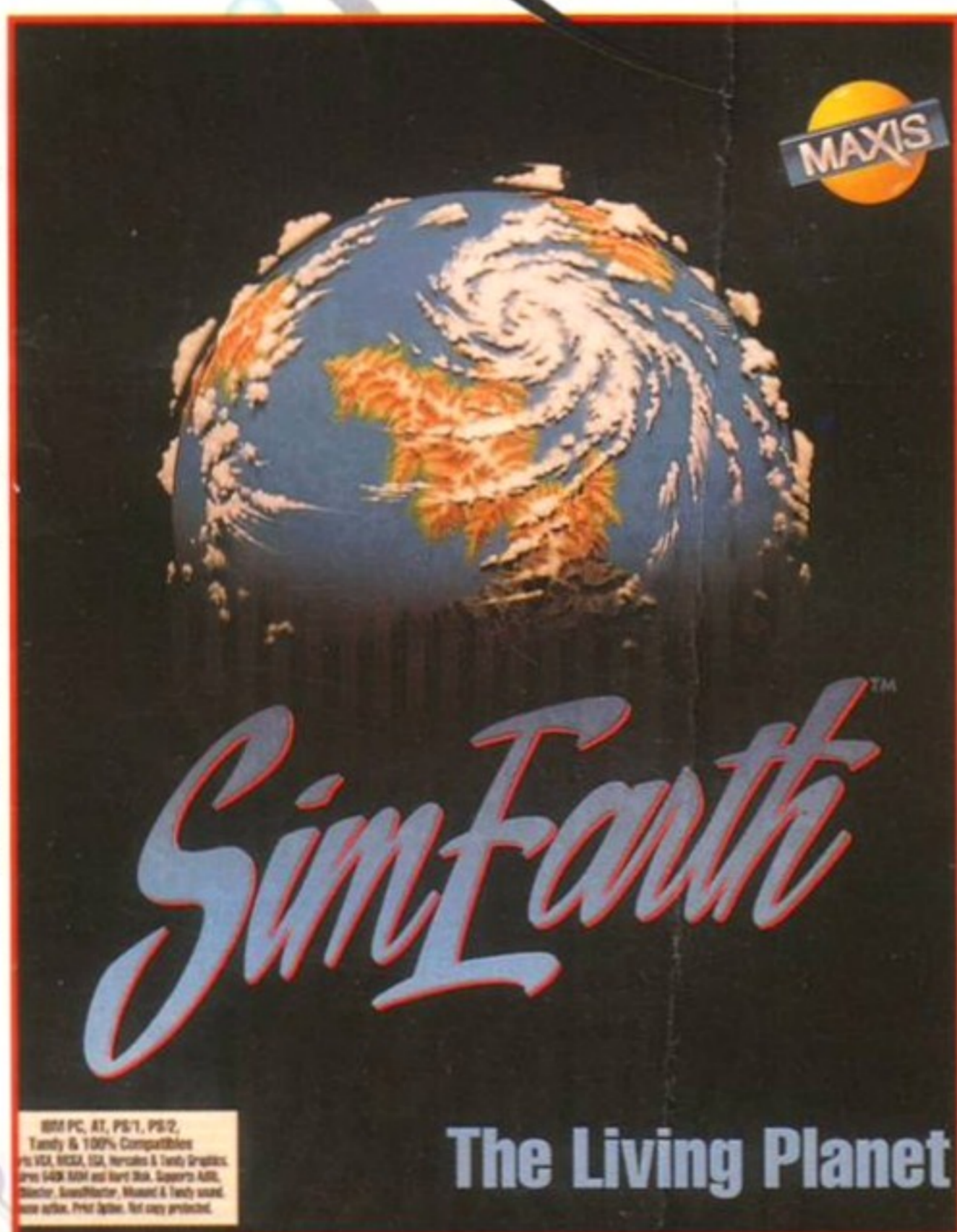


MAXIS

Inspired by James Lovelock's Gaia hypothesis, Sim Earth looks at the world as one interrelated living organism offering you the ultimate experience in planet management. Design and nurture planets from their creation through the evolution of life to the development of intelligence and technology that can reach for the stars.

TM & © 1990 Maxis and Will Wright.
All rights reserved.

AVAILABLE FOR: Macintosh,
IBM PC, Windows and Amiga.



IBM PC, AT, PS/1, PS/2,
Tandy & 100% Compatible
MS-DOS, VGA, ISA, Hercules & Tandy Graphics
1MB RAM, Hard Disk, Support ADXL
Keyboard, Mouse, Printer & Tandy World
File System. Print Option. Not copy protected.

*Choose from 24 battlefields.

*Use the powerful icon-driven command language: with a simple point and click, robots can be instructed to commence in full melee.

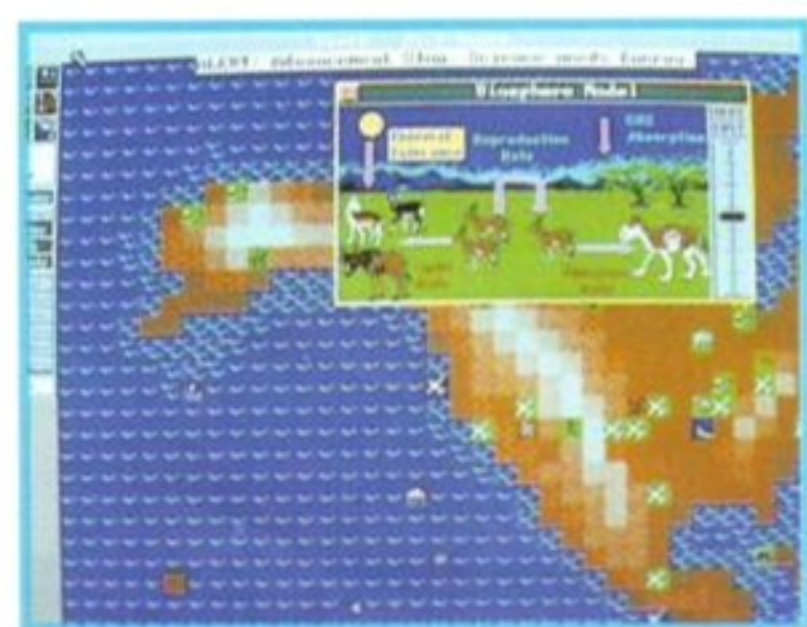
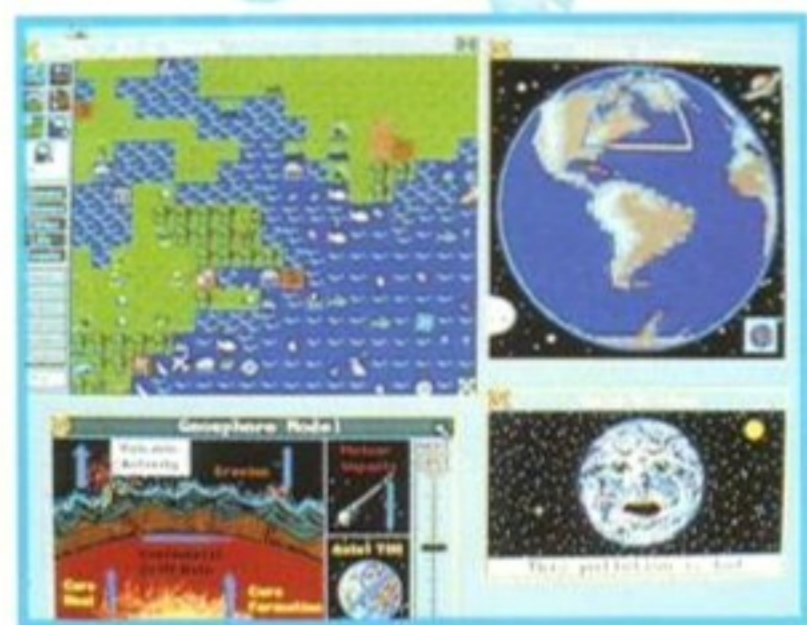
*Challenge your friends (and enemies) through network support for up to four machines.

*Use modem and serial link to mix and match games on Macintosh, Amiga or Windows versions.

AVAILABLE FOR: Macintosh,
Windows and Amiga.



Windows Version
IBM AT, PS/2, Tandy and 100% Compatible
Hardware: Windows 3.1 standard or
enhanced mode, 1MB RAM or better, 2 MB RAM
and Hard Disk
VGA, VGA, VGA, ISA and Hercules
Graphics
Keyboard or 100% compatible mouse
required



*Choose from seven different planet scenarios.

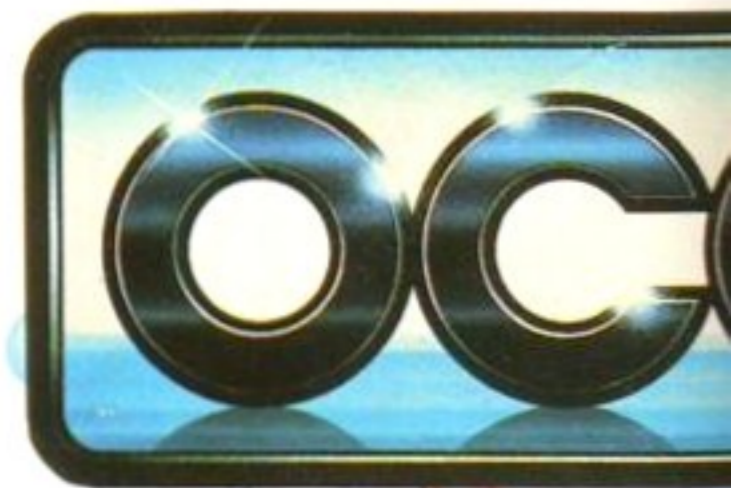
*Rule unlimited random worlds.

*Terraform Venus and Mars.

*View your worlds as flat projections or spinning globes.

*Unleash volcanoes, earthquakes, meteors and tidal waves.

Armed with bombs, bullets, missiles, grenades and more, you control teams of Robots that compete in five different sports: Survival, Treasure Hunt, Capture the Flag, Hostage Baseball. By combining the tactical challenge of chess with the intensity of guerrilla warfare, RoboSport provokes tactical strategic mayhem. TM & © 1991 Maxis and Edward Kilham. All rights reserved.



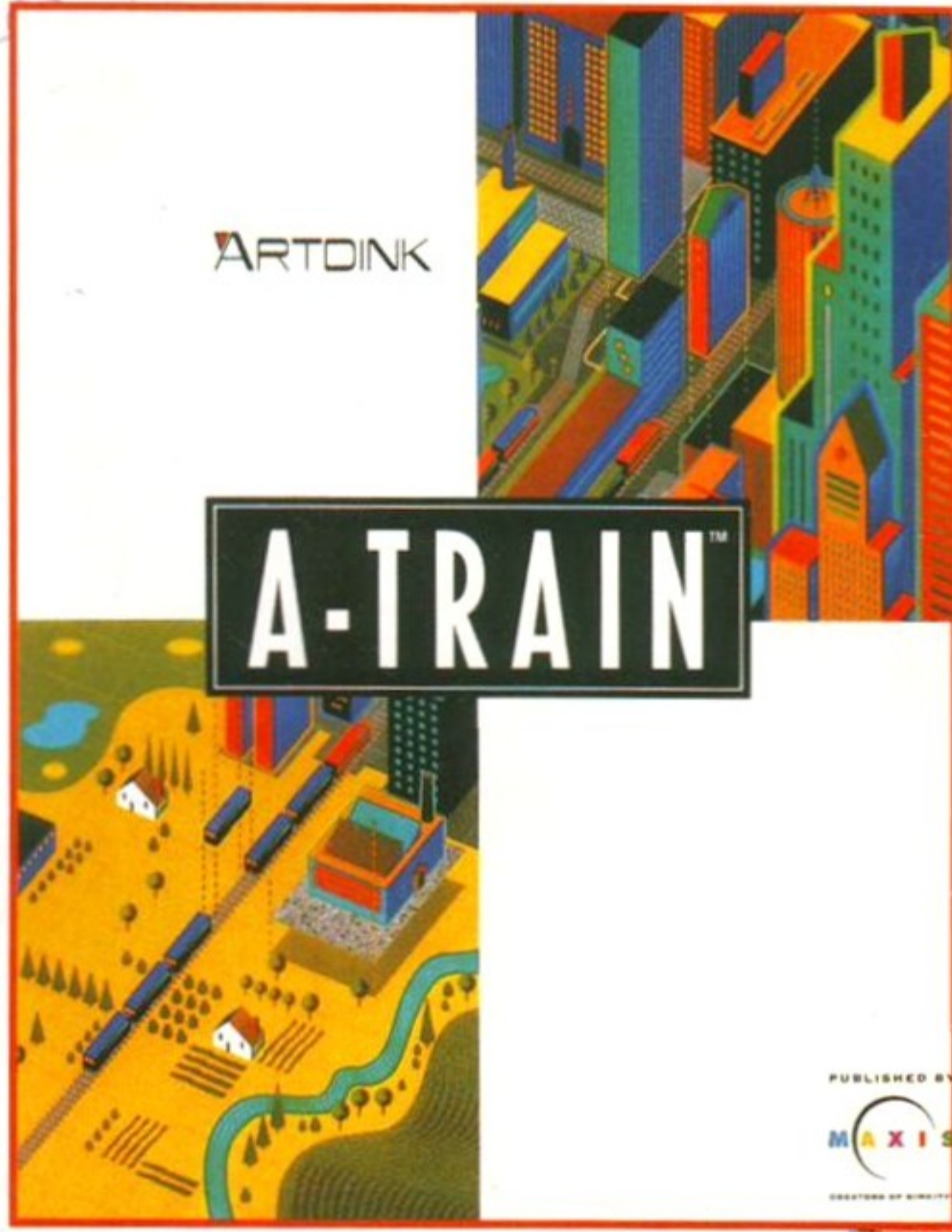
OCEAN SOFTWARE LTD . 6 CENTRAL STREET . MANCHESTER

MAXIS ARTDINK



Featuring Multi-Computer and Multi-Player capabilities

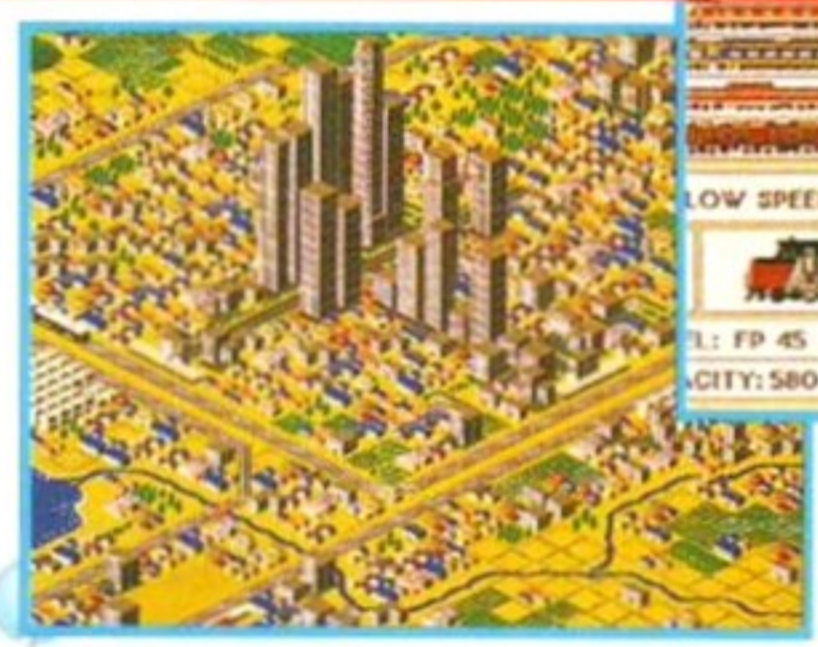
Sure A-Train has trains... but there's a lot more to it than making tracks. This new simulation gives you the triple challenge of designing and running a profitable railroad, growing a city and building a financial empire. You can borrow money, invest in subsidiary business and dabble in the stock market as well. Six scenarios will take all the organisational talent, planning skills and fiscal genius you've got. Maybe more. TM & © 1991 Artdink and Maxis. All rights reserved.



A-TRAIN™

- *Simulated 3-D graphics provide map and satellite views.
- *Choose from 19 different train engines.
- *Pick any 24 OTC stocks to reap extra profits.
- *Build apartments, offices, factories, ski resorts, amusement parks and more.
- *Get all of the professional advice you need from the many on-screen experts in A-Train.

AVAILABLE FOR: IBM PC, Macintosh and Amiga.



PUBLISHED BY
MAXIS
CREATORS OF SIMULATED

STOCK MARKET		BUY	SELL
AMERICAN	100.00		
AT&T	120.00		
BANK OF AMERICA	110.00		
BOEING	130.00		
DUKE	140.00		
GENERAL ELECTRIC	150.00		
IBM	160.00		
INTEL	170.00		
JOHNSON & JOHNSON	180.00		
KODAK	190.00		
LOCKHEED	200.00		
MOTOROLA	210.00		
ORACLE	220.00		
ROCKWELL	230.00		
SPRINT	240.00		
TELECOM	250.00		
UNITED STATES	260.00		
WESTERN UNION	270.00		
YAHOO!	280.00		

TRAIN REGISTER	
1	1000
2	1000
3	1000
4	1000
5	1000
6	1000
7	1000
8	1000
9	1000
10	1000

LOW SPEED	NON-STOP: YES
1: FP 45	FORMATION: 3 CARS
CITY: 580	TYPE: PASSENGER
STATUS:	COST:
	CORRESP:



AMIGA FORMAT 40 NOVEMBER 1992

EDITORIAL DEPARTMENT

EDITOR	Damien Noonan
DEPUTY EDITOR	Karl Foster
REVIEWS EDITOR	Neil Jackson
FEATURES EDITOR	Tim Smith
TECHNICAL EDITOR	Pat McDonald
PRODUCTION EDITOR	Gary Lord
STAFF WRITER	Andrew Nuttall
STAFF WRITER	Asam Ahmad
EDITORIAL ASSISTANT	Clare Hodgson

ART DEPARTMENT

ART DIRECTION	Marcus Dyson
DESIGN	Sue White

ADVERTISING DEPARTMENT

GROUP AD MANAGER	Jonathan Bint
AD MANAGER	Duncan Ferguson
BUSINESS DEVELOPMENT MGR	Andy Fox
GAMES SALES MGR	Cheryl Beesley
SENIOR SALES EXEC	Louise Woods
SENIOR SALES EXEC	Robert Anderson

PUBLISHING

ADVERTISING PRODUCTION	Tracey O'Donnell
PROMOTIONS MANAGER	Michele Harris
CIRCULATION DIRECTOR	Sue Hartley
CIRCULATION ASSISTANT	Kate Elston
PUBLISHER	Greg Ingham

PRINTED IN THE UK BY

Chase Web Ltd, St Ives PLC, Plymouth
NEWSTRADE DISTRIBUTION, UK
Future Publishing, 0225 442244
NEWSTRADE DISTRIBUTION, OVERSEAS
MMC Ltd 0483 211222

AMIGA FORMAT

30 Monmouth Street
Bath, AVON, BA1 2BW

Telephone 0225 442244
Facsimile 0225 446019

SUBSCRIPTIONS, BACK ISSUES and MAIL ORDER

Future Publishing, Somerton,
SOMERSET, TA11 6TB

Telephone 0458 74011
Facsimile 0458 74378



No part of this publication may be transmitted or reproduced in any form without the permission of the publishers. And it is polite to ask.

Oh no, really? of the month

If there are more people alive now than have ever died, where does that leave the theory of reincarnation eh?

Member of the Audit Bureau of Circulations.



Registered Circulation
161,256
Jan - July 1992

News

- Two new A600 packs revealed** 13
Commodore dual attack is up and running
- Sensible software prices** 14
How will CDTV Sensible Soccer affect the future?
- The Future Entertainment Show** 16
Read the preview to the UK's biggest computer show

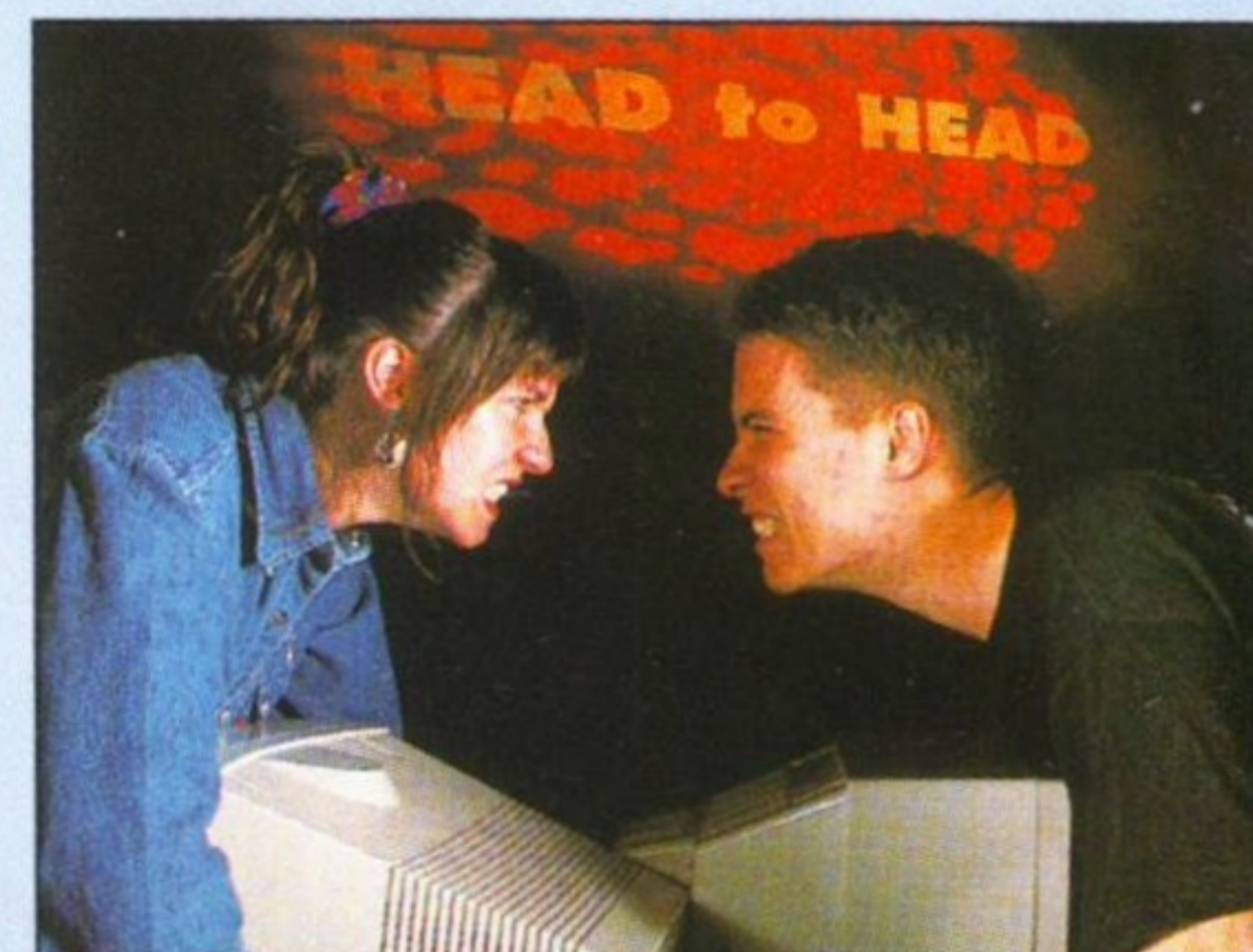


IN NEWS

Goodbye to the Cartoon Classics at long last. Six games and education. But can Commodore's two-pronged attack really counter and beat the consoles?

Screenplay

- Hooked up?** 66
We show you how to link Amigas for thrilling action.
- Gamebusters** 123
Get un-Hooked and eye the beholders' demise...
- Beat them at their own game!** 139
Part two of the series that'll teach you how to program!
- Cheap 'n' Cheerful** 110
Playing on a budget? Extend your spending power here



JOIN HANDS!

Not touching the tables here. We show you how the power of two, or even three or four, linked Amigas can make a huge difference to your playing pleasure.

Reviews

- The Alfa Data scanner** 164
Another scanner on the market. Is it worth your cash?
- AMOS Pro** 178
The next step on the path to programming perfection?
- Educational reading** 168
Fun School extras with Spelling Fair
- GPFax** 173
Go into turbo-communications mode with this little marvel
- XCAD 2000** 176
See how the Amiga muscles in on the design world



REVIEWED The Alfa Data Scanner

What better device for your graphics-engine of an Amiga than a spanking new scanner?



REVIEWED XCAD2000

Move over PCs, the Amiga can do this computer aided design stuff as well, if not better than the beefiest of IBM's offerings.

Win! Win! Win 77

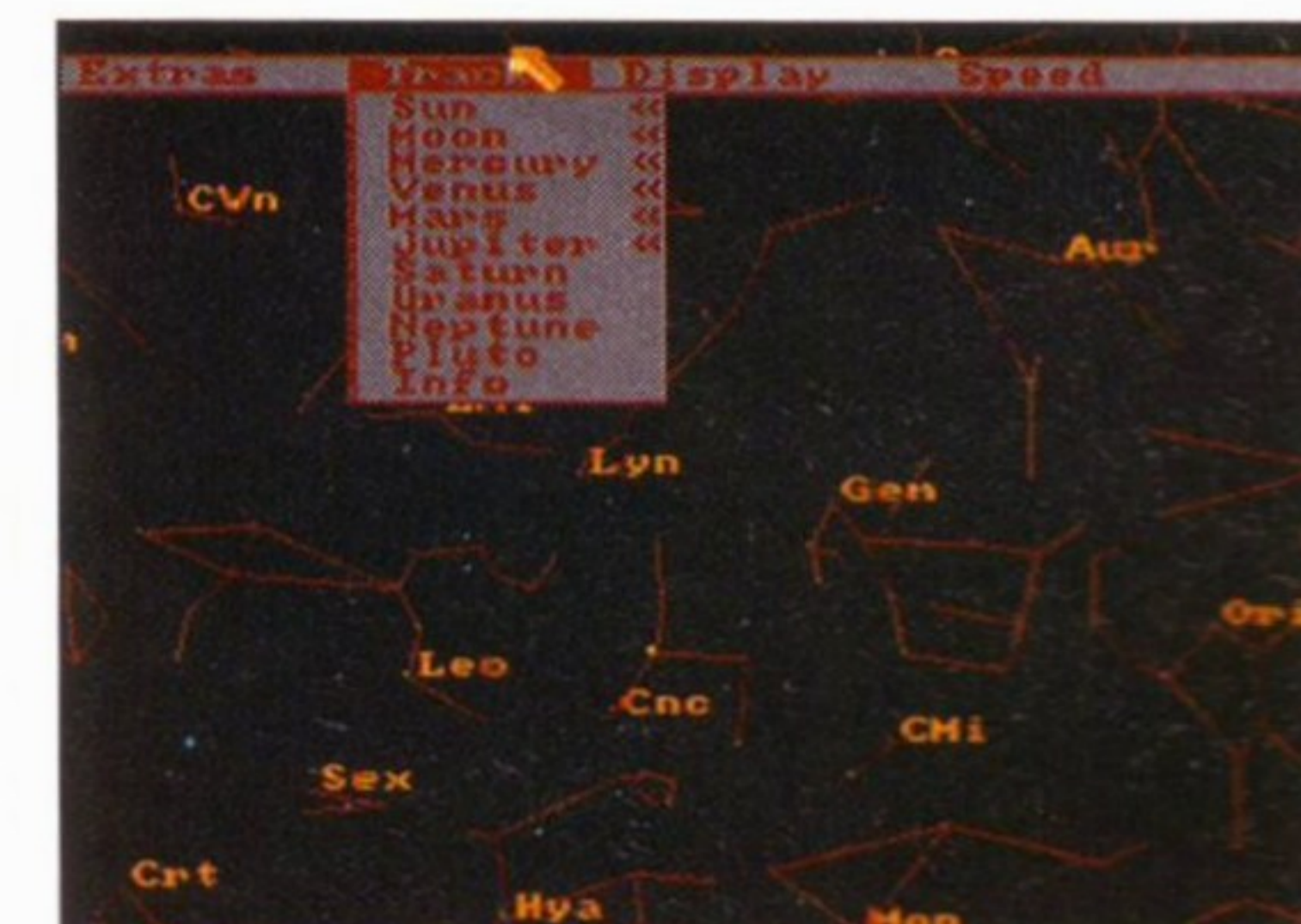
- Weird, Wild and Wicked** 77
We've got three new A600 packs, we give them to you
- Drool at Zool** 117
Copies of this great game and more could be yours



PRIZES GALORE! Not only do we have 10 copies of Gremlin's zippy-fast, Zool, we also have some very strange (but linked) prizes to give away.

Regulars

- PD Update** 197
Which new free software is worth getting hold of?
- Workbench** 229
Readers ask for advice and offer some useful tips
- Workbench Answerfile** 236
Your problems solved, your questions answered
- Letters** 241
Find out what's making waves with Amiga owners
- Special offers** 210
Some very special offers: good stuff at bargain prices
- Subscriptions** 223
Make it easy on yourself: get your mag delivered!



IN PUBLIC DOMAIN

With the interest rates buggin'-out as they have been recently, at least there's one thing you can count on: good value PD.



DEMO-STRATE!

More home-made Amiga wonders for you to view. We've got plenty on show, from diving birds to dynamic illusions and Maggie 2.

DeluxePaint Deluxe tutorials

Whether you're a beginner, a half-decent DPainter, or you're advanced in your grasp of Electronic Arts' excellent graphics program, you are bound to get something out of our mammoth, step-by-step guides to DeluxePaint III. You'll also get some insights into what the professionals can do...

PAGE 29



Which digitiser?

Even if you can't draw, you can still get some amazing images into your graphics. We put Amiga digitisers through their paces so that you can be absolutely sure of making the right decision

PAGE 185

The word at war Exhibitionists

A word processor is not just for the boring things in life, you could make a million with one (well Jeffery Archer did!). Find out which one is best for you

PAGE 151

Read our preview of the biggest computer show in the country.

The Future Entertainment Show is yours to enjoy

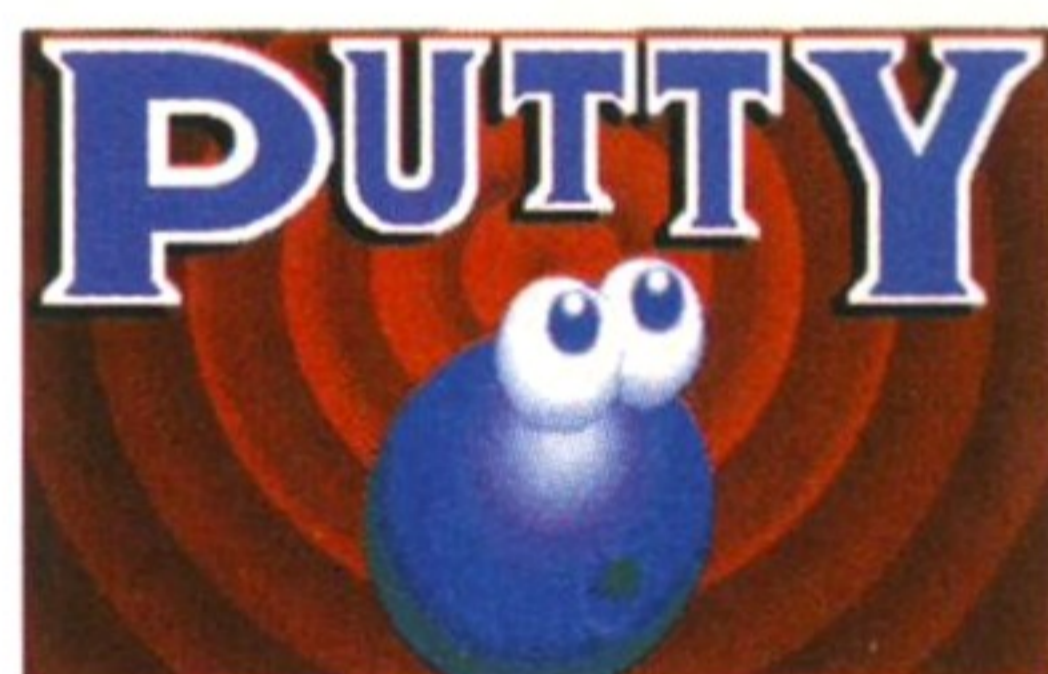
PAGE 16

Game reviews in ScreenPlay

Aquatic Games	94
Archer Maclean's Pool	100
BAT II	78
Carl Lewis Challenge	104
The Lost Treasures of Infocom	112
Lotus III	72
Match of the Day	107
Putty	82
Red Zone	108
Robosport	69
Rome	92



IN GAMES THIS MONTH: James Pond bids to show just what can be done without the use of steroids... or legs.



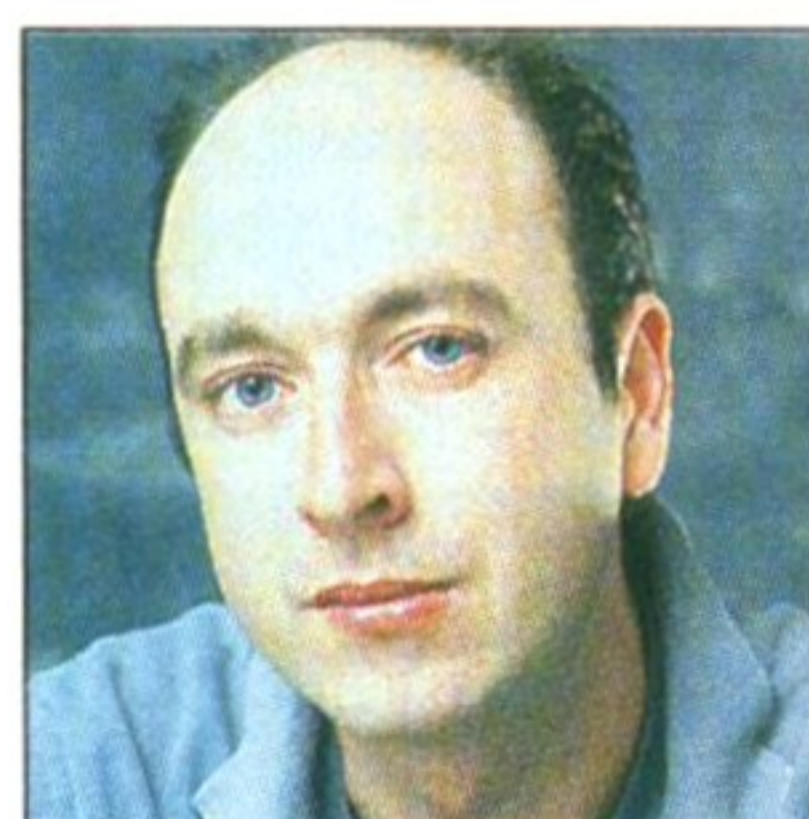
IN GAMES THIS MONTH: after much haggling in the Amiga Format office, did we think this is the best game ever?

Welcome to Amiga Format!

Hello and welcome to Amiga Format and to the long, cosy nights that lay ahead. It's the November issue and it's packed with more information, in more detail, and with a greater attention to your needs than ever before. We don't think that you will find a better read anywhere this month.

The Amiga family is proving, day-in-day-out that it is the most versatile collection of home computers that you can buy anywhere in the world. And this month we look at a few of the areas in which it really excels: graphics with our mammoth 10-page 'How-to' guide incorporating tips and hints from the combined knowledge of the Amiga Format team and professional games designers from Domark, Psygnosis and Bullfrog: digitisers, these incredibly useful devices can make a world of difference to your graphics - they don't cost the Earth and could make the world of difference to your artistic efforts. In this month's Amiga Format Collection we've included both TVText, an

excellent titling utility for your videos, and Cross-DOS which will enable you to make use of other computer formats from the security, ease and comfort (tried using MS-DOS recently?) of your Amiga.



Damien Noonan, Editor

On the news front, Commodore (UK's) MD, Kelly Sumner had a great deal to say about the future of the Amiga this month, and we were there to take notes on it. The news that he and his company have got behind the A600 with two new packs is excellent for the long-term, especially when you consider that Commodore also have an important new hardware launch at the Future Entertainment Show. So this winter could be a time for contentment but not complacency for all of us. This is Amiga Format, at your service. Have a great read...

COVERDISK over the page...

AMIGA Arcade Issue 40 FORMAT 1Mb and 512K • A 500 Plus Compatible

The Chaos Engine

Find out if the Bitmaps have done it again with this all-action blast-em-up.



Play US Gold's atmospheric, texture-mapped, adventure RPG, starring your fave AF staffers.



Legend of Valour

Plus:
More Bullfrogs' programming tutorial files

Legend of Valour



For the first time ever, you get the chance to beat-up several members of the Amiga Format staff in US Gold's custom-made playable adventure RPG demo.

Chaos Engine



Very weird science indeed from the Bitmaps. Babbage's machine goes mad in this high-speed, high-tension, two-player, all action thriller of a demo.

The AMIGA Collection

No.8 RRP £100

TVText

CROSSDOS

A 500 Plus Compatible • 1Mb Required

The easiest Video Titler available!

FULL VIDEO TITLING PACKAGE!
TVText: it must be the simplest way to give your videos the professional touch!

FILE EXCHANGE UTILITY!
Cross-DOS: open you Amiga up to the outside world with this excellent utility.



In this month's Amiga Format Collection - a series of COMPLETE, FULL-PRICE programs - You get TWO great utilities for your Amiga...

TVText page 47

Part one: now you can turn your videos into professional-looking mini-movies with this easy-to-use titler program.

Cross-DOS page 57

Part two: don't limit your Amiga, with this incredibly useful utility you can make use of PC graphics, text files and even samples.

The Chaos Engine

Find out if the Bitmaps have done it again with this all-action blast-em-up.

Play US Gold's atmospheric, texture-mapped, adventure RPG, starring your fave AF staffers.

Legend of Valour

Plus:
More Bullfrogs' programming tutorial files

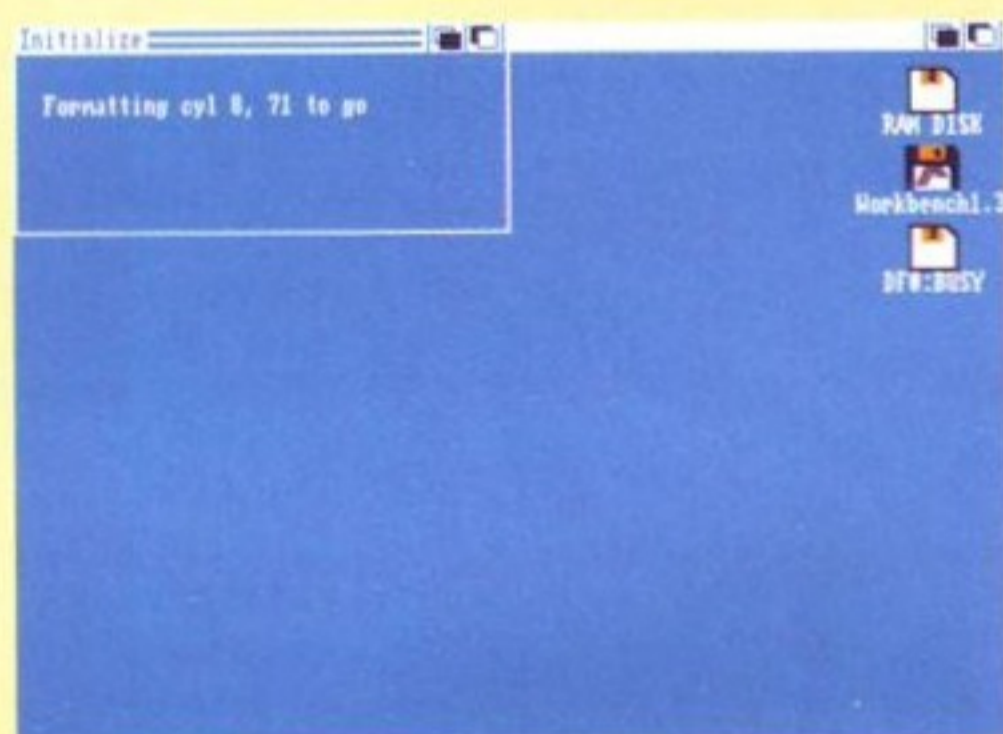
AMIGA FORMAT

Arcade Issue 40

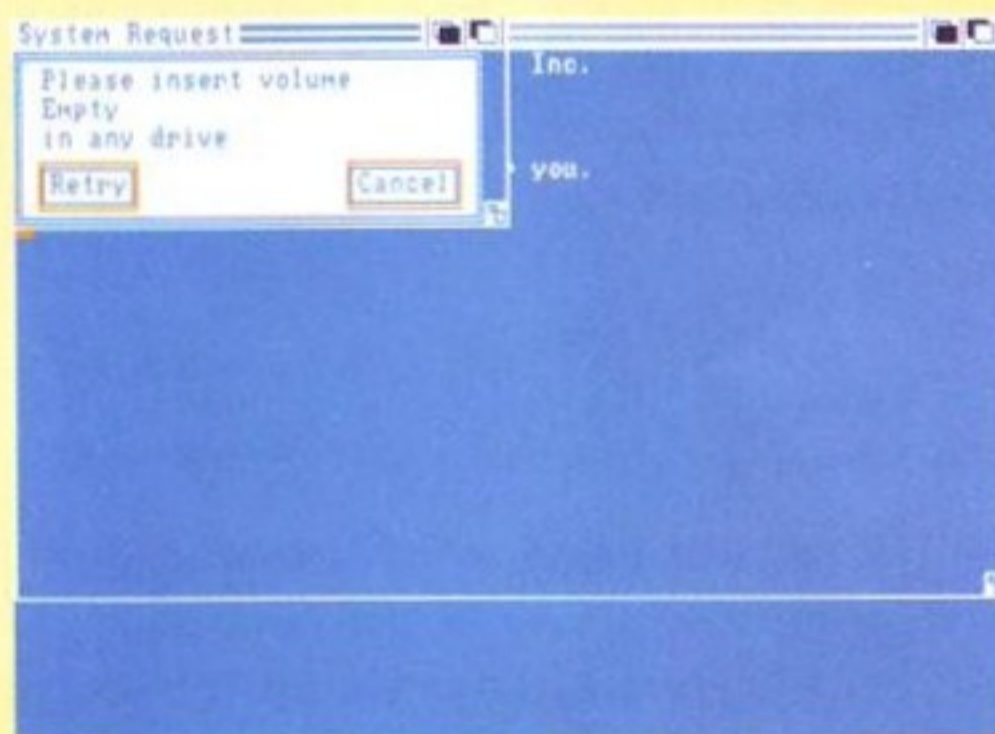
1Mb and 512K • A 500 Plus Compatible

Coverdisk

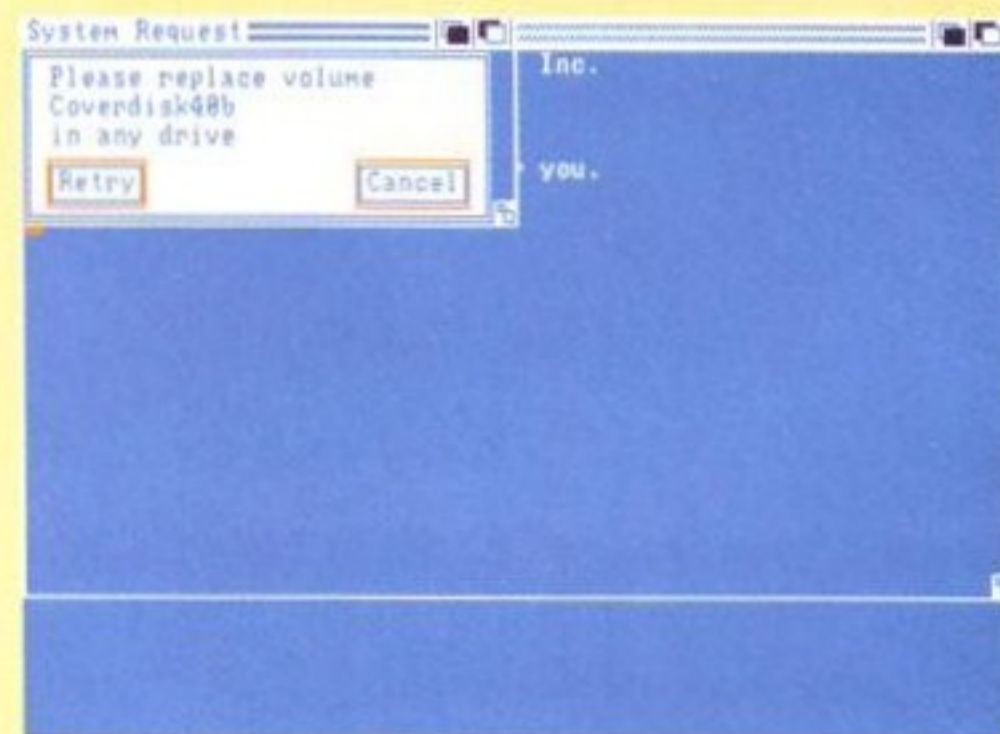
Damn! The two best game demos ever to appear on the Coverdisk, and together they're too big to fit! Never mind, they're squeezed on with the aid of a pretty nifty archiving program. All you have to do is get them on to two blank disks – which is pretty easy, as explained by **Pat McDonald**.



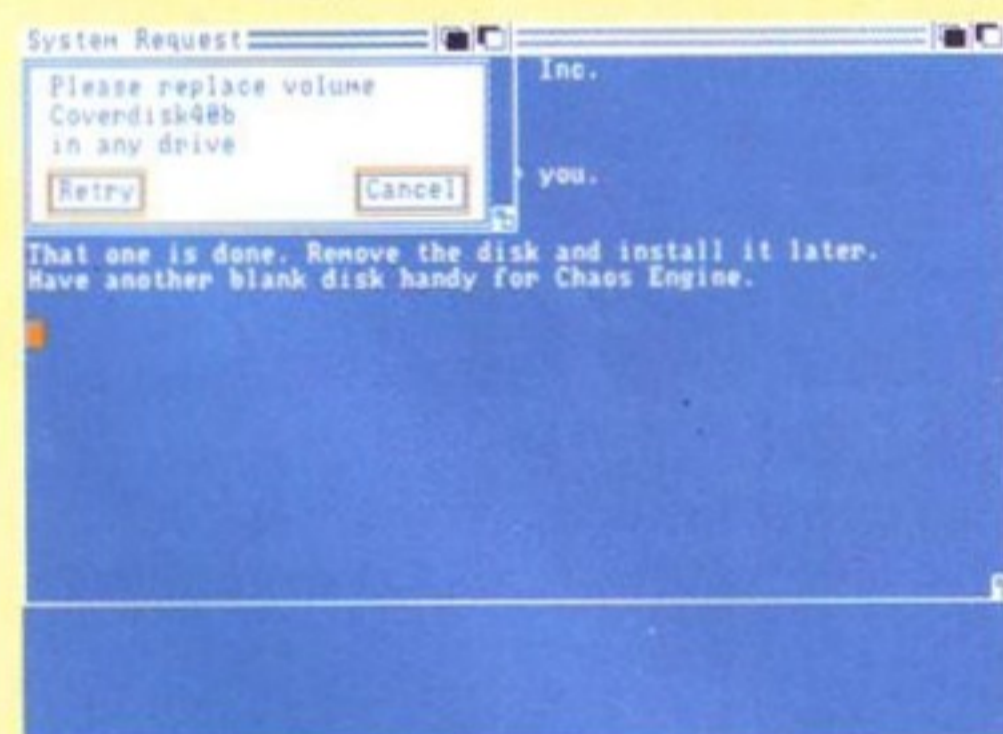
1 The first thing you have to do, before the Coverdisk has come anywhere near your machine, is to format two blank disks. This is very easy from Workbench; insert a disk to be formatted, click once on it (to highlight it) and select Initialiser from the Disk menu on 1.3, or Format Disk from the Icon menu on Workbench 2. Both disks should now be called Empty.



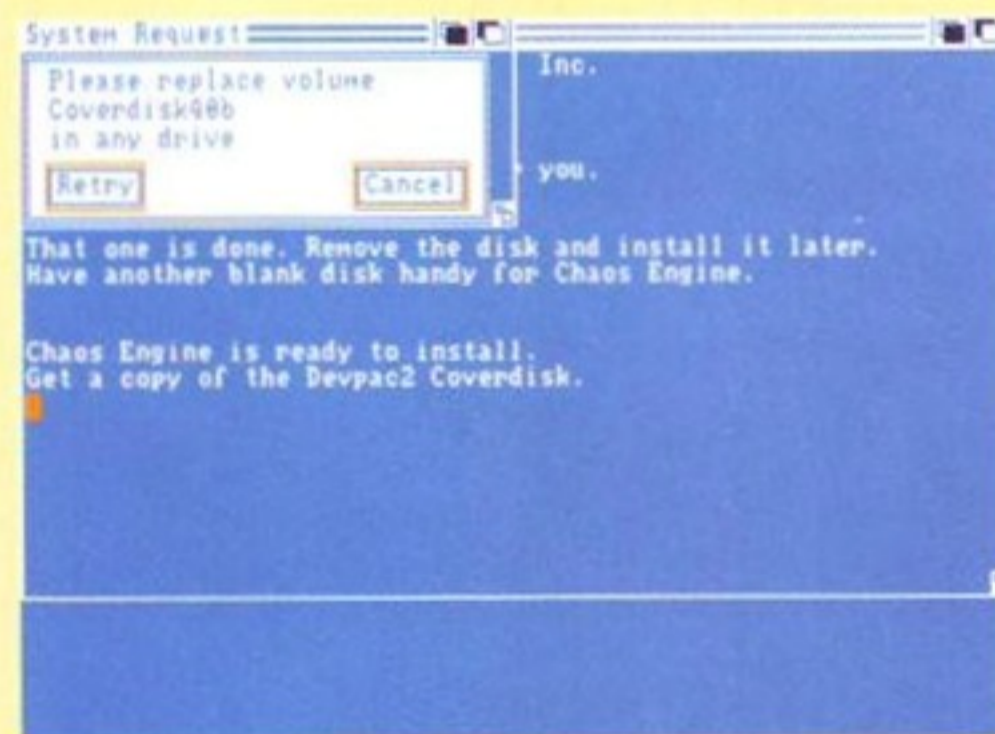
2 Reboot your Amiga, by holding down the Ctrl key and both the 'Amiga' keys that are either side of the spacebar. Then insert the Coverdisk. After a few moments of loading, the machine will ask for a disk called Empty. Insert one of the blank disks.



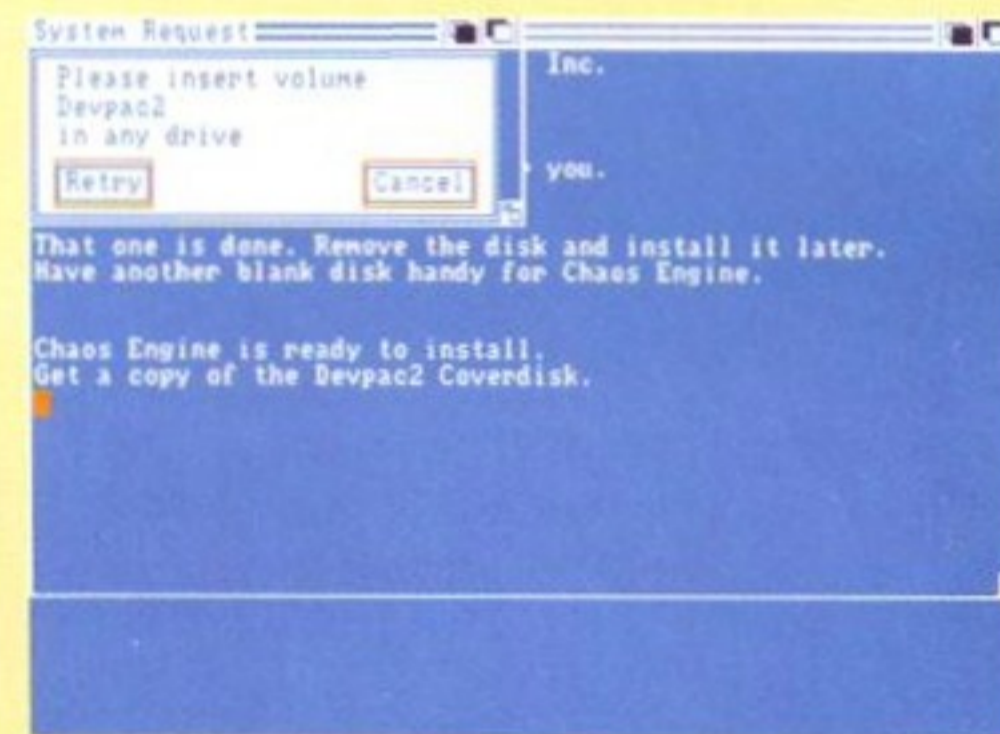
3 If you have two or more floppy drives, then you can wait until a message appears telling you that the *Legends of Valour* disk is ready. Otherwise you have to swap disks, I regret.



4 Once the message has appeared, check the drive light to make sure the Empty disk is not being accessed, take out the now not so blank disk, and insert the fully blank one. If you only have one disk drive, don't worry, the machine will ask you for the relevant disk.



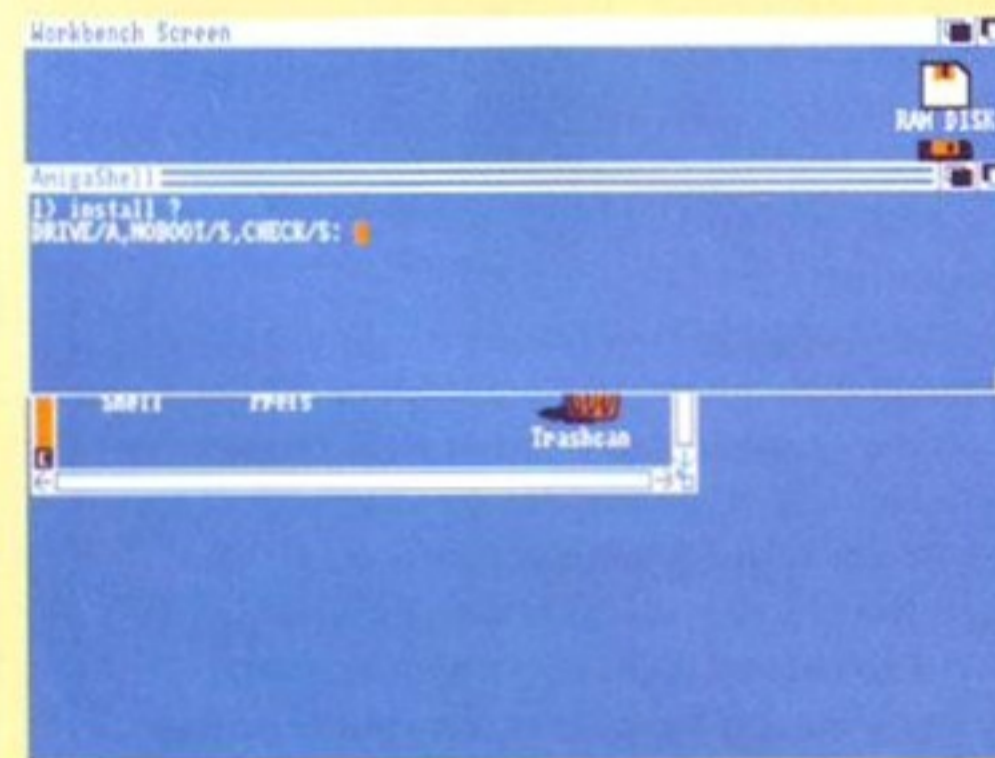
5 Again, if you only have one drive then you have to swap the Coverdisk together with the second blank disk. Eventually a message will appear telling you that the *Chaos Engine* is ready to be installed.



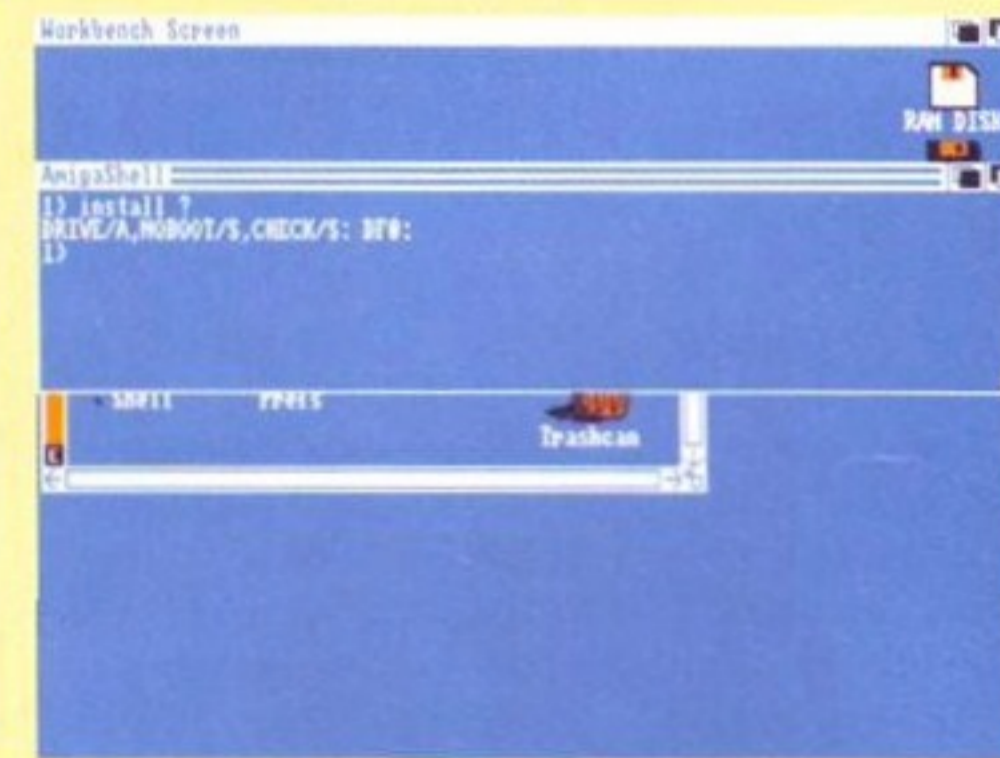
6 If you want to follow the Bullfrog's programming tutorial, then have a copy of the *Devpac 2* Coverdisk (from last month's issue ready. All the relevant files will be copied on to it. If you don't want the Bullfrog's demo, just click on cancel and move to stage 8.



7 Disk swaps for this last operation are mercifully rare. We are sorry that any are necessary, but they are in order for the Coverdisk to a) be compatible across the range of Amigas and b) contain *Legends of Valour* and *The Chaos Engine*.



8 You can't boot up and start going with the *Legends of Valour* and *Chaos Engine* disks straightaway. You have to install them. This is quite easy, once you know how. Load Workbench and get to the Shell or CLI.



9 Once you're there, type 'Install?' and press Return. A short message will display, asking you which disk you want to install. Take out Workbench, slip in either demo disk and type DF0: (0 is zero, not the letter Oh) before hitting return. The disk can now autoboot – just repeat the process to install the other one.

Legends of Valour

US GOLD/DCD PAL/NTSC

THE MOST IMPORTANT thing to bear in mind about this demo is that it's a very early one. However, the game it promises to grow into looks like being one of the most remarkable releases to date. This demo enables you to get a decent taste of the full program.

The most innovative feature of *Legends of Valour* is the main 3D display. Before, on similar games, you were either limited to very detailed views which could be flipped through 90 degrees (like *Chaos Strikes Back* or *Eye of the Beholder*) or you got a polygon-generated 3D display which moved well but looked crude (like *Cybercon III* or the *Freescape* games).

Legends uses neither approach. Instead, it maps and rotates walls and surfaces in a unique and very effective fashion. If you are a long way from what you're looking at, it appears blurred and indistinct. Get closer and the detail starts revealing itself. Move too close and all the detail looks blocky and pixellated.

The demo is quite limited in terms of what you can do. Currently, it looks like a standard fantasy role playing game – hack, slash, spellcast and so on. The main combat and spellcasting elements are simply not in there – but you can bet they will be in the final game.

However, as the designers DCD are quick to point out, this is not the main theme of the game. The main part is exploration – *Legends of Valour* is a 'Wander-about-em-up'. The key elements are hidden beneath a mass of detail. Try going through the doors and talking to the shopkeepers – although places differ little in detail in the demo, it's the detail and interaction which will make or break the finished game.

Try visiting different taverns, pubs and shops, and you will discover the notice boards. These give details of local employment opportunities, with commensurate rewards. You can also buy and sell commodities around the town, which is another source of income.

Legends of Valour is not just about trading though. The gameplan is to have a series of quests, which have to be completed in order to win. From the way DCD are talking, completion is going to be a long task – none of this 'buy-a-game-in-the-morning-and-complete-it-by-lunchtime' lark.

In the meantime, get stuck into this excellent taster. You can explore to your heart's content, but you will come across the occasional wooden fence which the programmers have used to stop you seeing the entire map. However, sources close to DCD have revealed there are a few hidden ways of getting around these... if you try hard enough. Sounds like a challenge, eh? Think laterally and experiment, good luck...

Click on Hail Person, and you are transported straight to the Dragon pub, where the landlord bears more than a passing resemblance to a certain reviews editor.



HOW TO CONTROL LEGENDS OF VALOUR

The simplest way of moving around is to click the left mouse button on the movement icon panel, selecting the icon which points in your chosen direction. There are keyboard shortcuts for these icons mapped on to the numeric keyboard (not A600s though, obviously).

For more fluid, but slightly more complex control, first press the right mouse button. This locks the view direction to the position of the mouse.

You can happily spin round in circles and watch the view rotate in the main window. This is useful for fine positioning and when you're doing quick room searches.

In this mode, you can still walk around. Just line yourself up in your chosen direction and press the left mouse button. Your character strides forward in the current direction. To cancel mouse mode, just press the right mouse button again.

Viewing window – click the cross to enlarge the view

Message window – information is displayed as text.

Magic items – if you're lucky enough to find some, they appear here.

Cash held.

Items which can be traded or exchanged for others.

Examine the object displayed in the panel below.

Backpack – the objects which you use in the game are carried

The object nearest you on the floor is displayed here. Clicking on this panel picks the object up and moves it into your right hand.

Movement icons (from top left to bottom right) – rotate left, forward, rotate right, move left, run, move right, flip 180 degrees, backwards, increase rank in guilds.

Compass – points in the direction you're travelling. You can use it to move in a specific direction by clicking on the outer edge.

Throw object from hand.

Your right hand – can hold an object.

System – load, save, texture on/off, sounds, viewing parameters, about, etc.

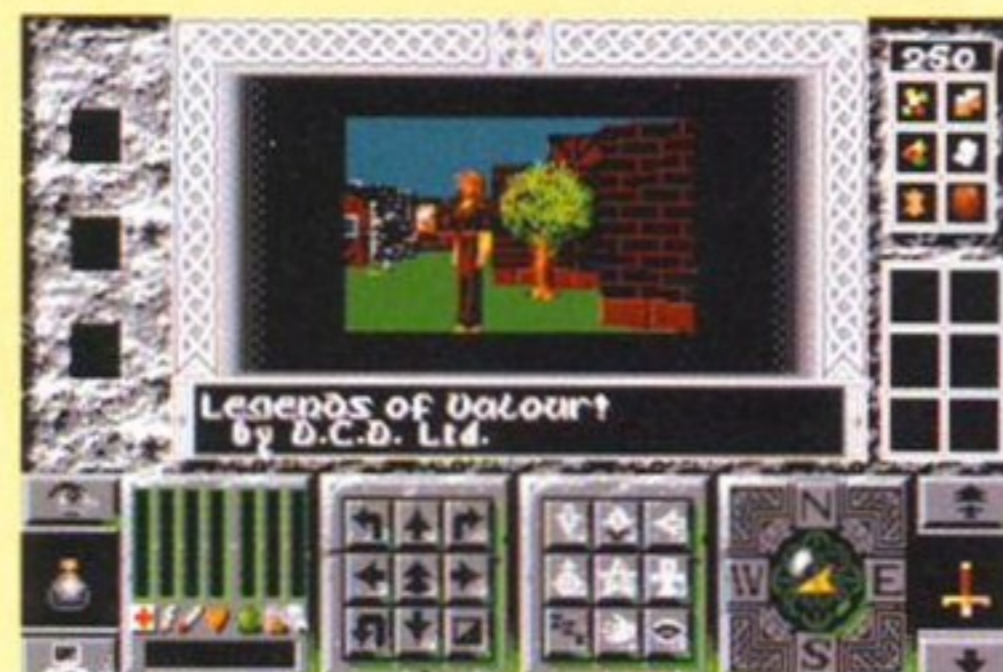
Status indicators (from left to right) – health, energy, injuries, appeal, hunger, thirst, sleep. Full=good, low=bad.

Actions – slash, thrust, slice, map, magic spells, religious spells, sleep, use item, hail person.

Drop the item that you're currently holding in your right hand on to the floor below.



Although the graphics used in *Legends of Valour* are streets ahead of the competition, the other characters you meet tend to look a bit blocky when you get very close.



To speed things up a bit, click on the cross at the top of the main window. This toggles the screen size between the full view, and one that is faster, smaller and clearer.



Entering rooms is easy. Just walk straight at a door and it slides open to let you through. If it doesn't, back up a bit, line yourself up squarely and try again.

The Chaos Engine

RENEGADE/BITMAP BROTHERS

PAL/NTSC



The full game will feature these character choice screens, where you choose who to do battle with.

WHAT HAVE THE Bitmaps been up to, apart from rehashing all their old games for the console market? Well fear not, those coders who polish their programs until they shine are back on the scene and are releasing another highly playable Amiga arcade game.

Chaos Engine is the latest example of the Bitmap's technique of taking a simple playing style and adding gloss until the original is tarted up to near perfection. This is a shortish level of what promises to be one of the most enjoyable blasting games with knobs on that these weary eyes have witnessed.

Hyperdrive without an r? Judge for yourself. This is a one or two-player demo featuring two of the six characters from the game. Player one always controls the brigand, an average combatant with a savage line in all around megablasts. Player two (if not controlled by the

computer) takes the role of the gentleman, a less lethal character with a useful hobby of drawing maps.

The background to the game is that of a technological breakthrough in the Victorian era, when Charles Babbage actually got his difference engine to work. If you didn't take that in, essentially Babbage was the designer of the computer, but lived in an era which lacked the technology to bring his dreams into reality.

Put it this way; if you've ever read Edgar Rice Burroughs or played the role-playing game *Space 1889*, you'll find a lot of that material makes up the backdrop to the game. If you haven't, expect weird twists on familiar technology – steam-powered televisions and spaceships with speaking tubes for communication. Get the drift?



The best way to play *Chaos Engine* is two player, with each character watching the other's back.

HOW TO WIN

- 1** In order to get further in the game, you have to collect the silver keys. These open various obstacles which bar your way.
- 2** You will find various radio mast structures, which should be shot at but avoided, as they don't half spark.
- 3** The golden keys unlock secret rooms and bonus stages. Always be wary of them, as more combat is involved too.
- 4** When you avoid enemy fire, try to dodge into a firing position. Aggression is the key to this sort of game.
- 5** Keep an eye out. The caves which spawn monsters and similar sources of bad guys can be spotted if you look for them.

In terms of gameplay, *Chaos Engine* appears to show little originality. For starters, *Chaos Engine* is played entirely with a joystick. The demo will autodisplay until you press a fire-button – after that, you decide whether you want solo or dual player (the latter requires two joysticks of course).

The actual gameplay is really very simple. Pressing fire unleashes bolts of destruction in the direction you are facing. Moving the joystick moves your character that way.

You can't really get more down to earth. The brigand's fire-power can be boosted by power-ups. Mind you, the gentleman's flamethrower tends to cut right through enemies, making him more lethal against groups of enemies.

There are quite a few factors which make the *Chaos Engine* different. For one thing, you tend not to get prearranged waves of nasties sweeping up to you in predictable patterns. All the bad guys have their own methods for attack, true, but exactly when and where they will strike is not a sure thing. This random element is quite a refreshing change.

Another attraction is that there isn't just one route to get to the same goal. There are plenty of secret rooms and freebies to find, and although the demo says 'Demo Completed' when you die, you should find there are quite a few different routes to try. There's also the obligatory Bitmap shop in there somewhere, though I must confess I have yet to find it.



When surrounded by bad guys, use the brigand's special ability to take out lots of baddies.



Often you will find your progress barred by some obstacle. Eventually you'll learn all the twists and turns.

Using Your Coverdisk

1. Always write-protect your Coverdisk. Move the tab so a hole is showing.
2. Copy the Coverdisk and use the copy, not the original. This may sound like a complicated task, suitable only for techno buffs, but it's surprisingly simple to do, just follow the simple instructions for copying the disk which are given below.
3. Read the instructions when using the programs.

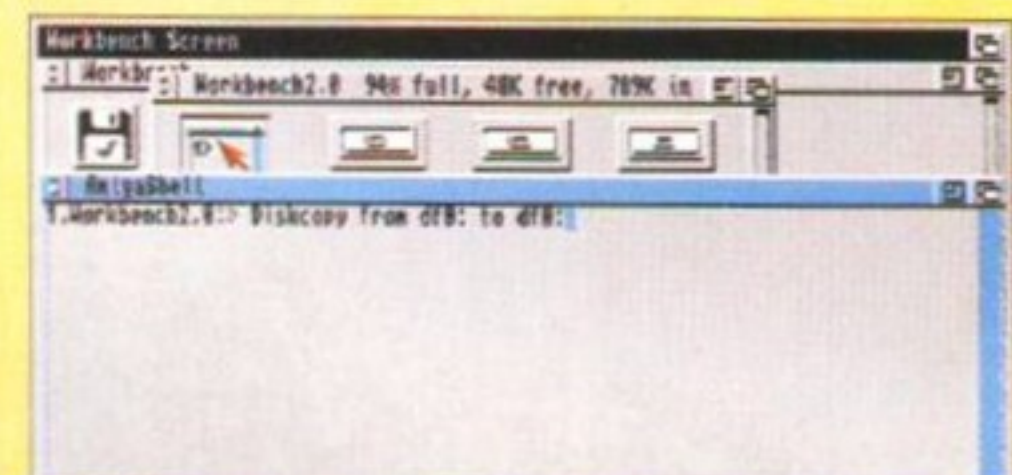
Backing up your Disk

There are two ways of making a copy of your disk, and this is the easy one. Don't be daunted by the fact that you need to use the Shell or CLI: it's actually a lot easier than you might think.

Just follow these simple steps...

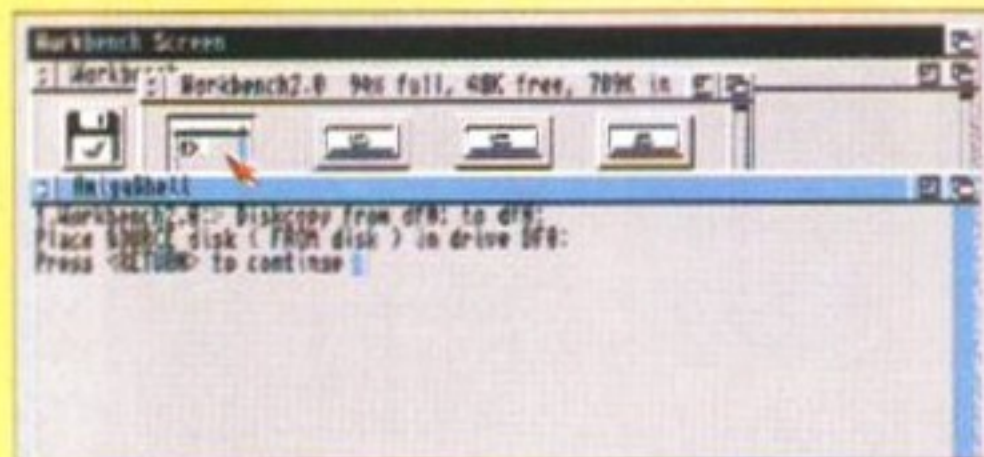


1 Load your Workbench disk. Open the disk, find the icon that says Shell or CLI and double-click on it.

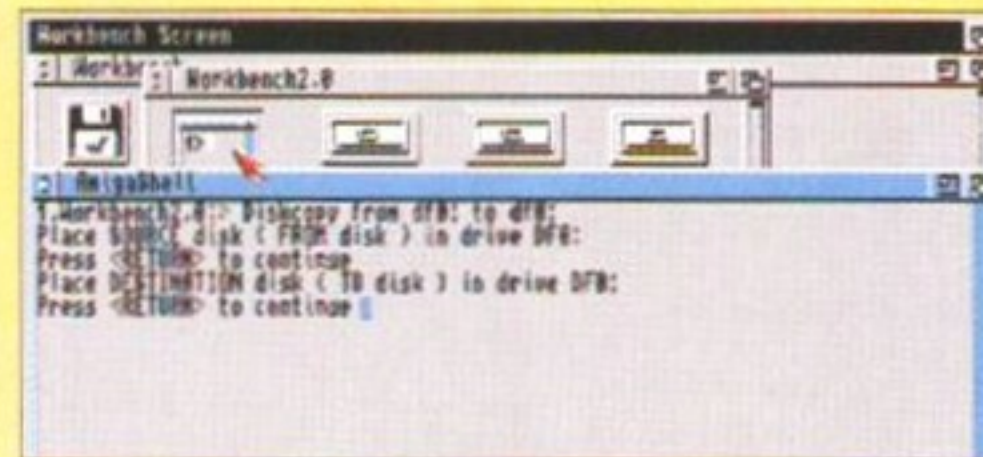


2 When the Shell window appears and the drive light is out, type in:

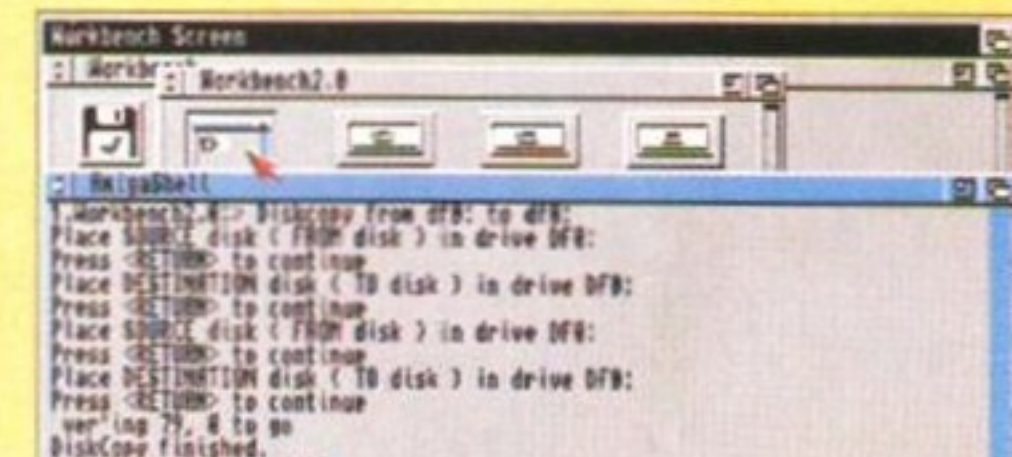
```
Diskcopy from DF0: to DF0:
and press the Return key.
```



3. The Amiga will now ask you to insert the 'source' disk. It means the disk you want to copy, so put the Coverdisk in the drive and press the Return key.



4. Wait for a while and it will read all the information off the Coverdisk, telling you how far it has got. Then it will ask you to insert the 'Destination' disk. Put the disk you want to copy your Coverdisk on to in the drive and press the Return key. Note that the disk does not need to be formatted already.



5. Put the source disk and destination disk in a couple more times when the Amiga asks for them. When it says "Diskcopy Finished" just type in:

```
endcli
```

to get out of the Shell or CLI. You may have to put the Workbench disk in again. Now your copy is ready!

DISK PROBLEMS?

If you have a problem with the disk – and you're sure the disk is in full working order – then you may need a little help. If you ring us on any Tuesday, and ask to speak to Pat McDonald, he will do his best to help you. Please understand, giving this sort of advice is time-consuming and we are very busy people, so only call if you really have to and do be considerate if we can't talk to you just then. If the problem is particularly complex it is better to send it to us in written detail. It will then be dealt with in the Workbench pages of the magazine.

BE CAREFUL!

We have done our best to check that all of the programs on the **Amiga Format** Coverdisk are simple to use and have no viruses. We cannot usually answer complex telephone queries on the software (see the Disk Problems? box) and we do not accept liability for any consequences of using the numerous programs that are on the disk.

COPYRIGHT

Unless it is specifically stated, the programs on the Coverdisks are not in the Public Domain and the copyright remains with the copyright-holder of the program.

Because some of the programs on the Coverdisks are not PD, selling or distributing them without the copyright-holder's specific permission is against the law.

Disk not working?

We duplicate nearly 500,000 disks every month. Out of all those, obviously a few will be faulty. If the disk or any of the programs will not load or run properly, there may be a problem. Don't panic!

First try using the *DiskDoctor* utility on your Workbench disk to rescue it before sending it off for a replacement. In-full details of *DiskDoctor* can be found in the user's manual that came with your machine.

However, if your Coverdisk is in fact faulty, you should send it back INCLUDING A STAMPED, ADDRESSED ENVELOPE for a free replacement within one month of the cover date to:

Amiga Format November Disk
Disk Copy Labs
Units 2&3
Omega Technology Centre
Drayton Fields
Daventry
Northants
NN11 4SA



RAINBOW COLLECTION 9.99 HOLLYWOOD COLLECTION 9.99 WHEELS OF FIRE COMPILATION 7.99 T.N.T. COMPILATION 9.99 POWER UP COMPILATION 9.99 3D CONSTRUCTION KIT 14.99 JIMMY WHITE 14.99 XENON 2 6.99



RUGBY WORLD CUP 7.99 THUNDERHAWK 9.99 MAN UTD EUROPE 9.99 FLAMES OF FREEDOM 11.99 JAMES POND 7.99 KICK OFF 2 8.99 F15 STRIKE EAGLE 2 14.99 LOTUS TURBO 2 11.99 LEMMINGS 12.49 OH NO! MORE LEMMINGS 9.99 UTOPIA 11.99



NUCLEAR WAR 5.99 PLAYER MANAGER 8.99 WOLFCHILD 11.99 DELUXE PAINT 3 24.99 PRINCE OF PERSIA 9.99 SIM AND POPULOUS 16.99 SCRABBLE DELUXE 12.99 CAPTIVE 6.99 HEIMDALL 11.99 SPACE CRUSADE 12.99 TITUS THE FOX 9.49



MICROPROSE GOLF 13.99 ELITE 10.99 HARLEQUIN 12.99 F19 STEALTH 14.99 PITFIGHTER 9.99 INDY JONES ADV 9.99 SUPREMACY 16.99 SPIRIT OF EXCALIBUR 9.99 ULTIMA 5 12.99 I.C.F.T. DESERT 12.99 JACK NICKLAUS 6.99

Amiga Software — Games marked (NOP) will not work on the AMIGA A500 PLUS or AMIGA 600.

3D CONSTRUCTION KIT 14.99	EPIC (1 MEG) 19.49	LEGEND 19.99	RBI BASEBALL 2 (NOP) 12.99
3D CONSTRUCTION KIT 2 32.99	ESCAPE FROM THE PLANET OF THE ROBOT MONSTERS 8.49	LEISURE SUIT LARRY 2 12.99	REACH FOR THE SKIES 19.99
A-TRAIN (1 MEG) 24.99	ESPAÑA-THE GAMES 92 (1 MEG) 19.49	LEISURE SUIT LARRY 5 (1 MEG) 25.99	RED BARON (1 MEG) 22.99
A320 AIR-BUS 21.99	EXILE 16.49	LEMMINGS 12.49	RISE OF THE DRAGON (1 MEG) 25.99
ADDAMS FAMILY (1 MEG) 16.99	EYE OF THE BEHOLDER (SS) (1 MEG) 19.99	LEMMINGS 2 20.99	RISKY WOODS 18.99
ADI ENGLISH (11-12) 16.99	EYE OF THE BEHOLDER 2 (1 MEG) 23.99	LEMMINGS DATA DISK - OH NO! 9.99	ROAD RASH 14.99
ADI ENGLISH (12-13) 16.99	F15 STRIKE EAGLE 2 (1 MEG) 14.99	LETHAL WEAPON 16.99	ROBOCOP 3 9.99
ADI MATHS (11-12) 16.99	F15 STRIKE EAGLE 2 (1 MEG) 14.99	LOMBARD RAC RALLY 8.49	ROLLING RONNY 19.49
ADI MATHS (12-13) 16.99	FANTASTIC WORLDS (REALMS, PIRATES, MEGA LO MANIA, POPULOUS, WONDERLAND) 22.99	LOTUS 3 - THE FINAL CHALLENGE 17.49	ROME 16.99
ADVANTAGE TENNIS 16.99	FANTASY PAK (COLORADO, BOSTON BOMB CLUB, CRYSTALS OF ARBOREA) 13.99	LOTUS TURBO CHALLENGE 11.99	ROOKIES 15.99
AFTERBURNER 8.49	FINAL COPY 2 WORD PROCESSOR 89.99	LURE OF THE TEMPTRESS 2 18.99	RORKE'S DRIFT 15.99
AGONY 10.99	FINAL FIGHT (NOP) 16.99	MAGIC POCKETS 16.99	RUGBY WORLD CUP 7.99
AIR BUCKS 17.99	FIRE & ICE 16.99	MANCHESTER UNITED EUROPE 9.99	SABRE TEAM 15.99
AIR SEA SUPREMACY (GUNSHIP, SILENT SERVICE, P47, WINGS, CARRIER COMMAND) 19.99	FIRESTAR (LIGHT PHAZER GAME) 9.99	MANIC MINER 9.99	SCRABBLE DE LUXE 12.99
AIR SUPPORT 16.99	FIRST SAMURAI + MEGA LO MANIA 13.99	McDONALDS LAND 17.49	SCRIBBLE WORD PROCESSOR 24.99
ALBION BREED (SPECIAL EDITION) (1 MEG) 8.99	FLAMES OF FREEDOM (MIDWINTER 2) 11.99	MEGA SPORTS (SUMMER GAMES 1 & 2, WINTER GAMES) 16.99	SECRET OF MONKEY ISLAND (1 MEG) 16.99
ALIEK (LIGHT PHAZER GAME) 9.99	FLIGHT SIMULATOR 2 23.99	MERLIN'S MATHS (7-11 YRS) 18.99	SECRET OF MONKEY ISLAND 2 23.99
AMNIO 7.99	FLOOR 13 19.49	MICRO ENGLISH (8 YRS TO GCSE, CONFORMS TO NATIONAL CURRICULUM) 16.99	SECRET OF THE SILVER BLADE (1 MEG) 19.99
AMOS (GAMES CREATOR) 29.99	FORMULA 1 GRAND PRIX 22.99	MICRO FRENCH (BEGINNER TO GCSE, CONFORMS TO NATIONAL CURRICULUM) 16.99	SENSIBLE SOCCER 16.99
AMOS 3D (REQUIRES AMOS) 22.99	FUN SCHOOL 2 (2-6) 7.99	MICRO GERMAN (BEGINNER TO GCSE AND BUSINESS, CONFORMS TO NATIONAL CURRICULUM) 16.99	SHADOW OF THE BEAST 5.99
AMOS COMPILER (REQUIRES AMOS) 19.99	FUN SCHOOL 2 (6-8) 7.99	MICROPROSE 3D GOLF 13.99	SHADOW OF THE BEAST 2 WITH SHIRT 8.99
AMOS EASY (FIRST STEPS TO PROGRAMMING) 22.99	FUN SCHOOL 2 (8+) 7.99	MIDNIGHT RESISTANCE 8.49	SHADOW OF THE BEAST 3 19.49
AMOS PROFESSIONAL (THE ULTIMATE AMIGA PROGRAMMING TOOL) 44.99	FUN SCHOOL 3 (2-5) 16.99	MIDWINTER 15.99	SHADOWLANDS 19.49
APIDYA 16.99	FUN SCHOOL 3 (5-7) 14.99	MINI OFFICE (WORD PROCESSOR, SPREADSHEET, DATABASE AND DISK UTILITIES PROGRAMS) 36.99	SHADOWWORLDS 15.99
AQUATIC GAMES 18.49	FUN SCHOOL 3 (7+) 16.99	MONSTER PACK 2 (KILLING GAME SHOW, AWESOME, BEAST 2) 13.99	SHUTTLE 19.99
ARABIAN NIGHTS 15.99	FUN SCHOOL 4 (2-5) 16.99	MOTORHEAD 11.99	SILENT SERVICE 2 (1 MEG) (NOP) 22.99
ARCHER MACLEAN'S POOL 17.99	FUN SCHOOL 4 (5-7) 16.99	MYSTICAL 2.99	SIM ANT 22.99
ARKANOID 2 8.49	FUN SCHOOL 4 (7+) 16.99	NEW ZEALAND STORY 8.49	SIM CITY & POPULOUS 15.99
ARMALYTE 3.99	GAUNTLET 2 7.99	NIGEL MANSELL'S WORLD CHAMPIONSHIP 19.49	SIM CITY ANCIENT CITIES 8.99
ARMOUR-GEDDON 9.99	GOLDEN AXE 8.49	NUCLEAR WAR 5.99	SIM CITY FUTURE WORLDS 8.99
ARMOUR-GEDDON 2 19.49	GOLF (OCEAN) 16.99	OFFICE (WORD PROCESSOR, SPELL CHECKER, SPREADSHEET & STATISTICS, DATABASE, GRAPHICS AND BASIC DTP) 44.99	SIM CITY TERRAIN EDITOR 8.99
ASHES OF EMPIRE 23.99	GOLF WORLD CLASS LEADERBOARD 7.99	OPERATION WOLF 8.49	SPACE CRUSADE 12.99
ASSASIN (1 MEG) 17.49	GRAHAM GOOCH WORLD CLASS CRICKET 17.99	PACMANIA 9.99	SPECIAL FORCES 22.99
AV8B HARRIER ASSAULT 24.99	GRAHAM TAYLOR'S SOCCER MANAGER 15.99	PAGE SETTER 2.0 DESK TOP 34.99	SPEEDBALL 2 15.99
B17 FLYING FORTRESS 22.99	GUNSHIP 2000 21.99	PAGESTREAM M 2.2 DESK TOP 34.99	SPELLING FAIR (7-13 YRS) 18.99
BARBARIAN 2 (PSYGNOSIS) 14.99	GUY SPY 19.49	PUBLISHING 131.49	SPIRIT OF EXCALIBUR (1 MEG) (NOP) 3.99
BAT 2 22.99	HARLEQUIN 12.99	PUBLISHING 131.49	STARUSH 16.99
BATMAN THE MOVIE 8.49	HEAD OVER HEELS 8.49	PAGESTREAM M 2.2 DESK TOP 34.99	STEVE DAVIS SNOOKER 3.99
BATTLE ISLE (NOP) 19.99	HEAD TO HEAD 21.99	PUBLISHING 131.49	STORM MASTER 18.49
BATTLE ISLE DATA DISK 14.99	HEART OF CHINA (1 MEG) 22.99	PARASOL STARS 16.99	STRATEGY MASTERS (POPULOUS, HUNTER, SPIRIT OF EXCALIBUR, CHESSPLAYER 2150, DEUTEROS) 19.99
BATTLE OF BRITAIN 11.99	HEIMDALL (1 MEG) 11.99	PAWN (MSCROLLS) 7.99	STREET FIGHTER 2 18.49
BEACH VOLLEY 8.49	HEROQUEST + DATA DISK 19.49	PEN PAL WORD PROCESSOR 54.99	STRIKER 15.99
BILL'S TOMATO GAME 16.99	HITCH HIKERS GUIDE 8.99	PERFECT GENERAL 22.99	STUART PEARCE'S SOCCER SELECTION'S (KICK OFF 2, MICROPROSE SOCCER, MANCHESTER UNITED, INTERNATIONAL SOCCER) 19.99
BIRDS OF PREY (1 MEG) 22.99	HOLLYWOOD COLLECTION (ROBOCOP, GHOSTBUSTERS 2, INDIANA JONES ACTION, BATMAN THE MOVIE) (NOP) 9.99	PGA TOUR GOLF + COURSES 19.49	SUPER HANG ON 8.49
BLACK CRYPT 16.99	HOME ACCOUNTS 2 37.99	PGA TOUR GOLF COURSE DISK 11.49	SUPER HERO 19.49
BLUE MAX 19.99	HOME ALONE 16.99	PINBALL DREAMS (1 MEG) 16.49	SUPER SPACE INVADERS 16.99
BLUES BROTHERS 8.99	HOOK 16.99	PIRATES (NOP) 16.99	SUPREMACY 16.99
BREACH 2 (ENHANCED) 8.99	HUMANS 17.99	PITFIGHTER 9.99	SWORD OF SODAN 5.99
BUSINESS PAK FOR AMIGA + WORDWORTH WORD PROCESSOR, K-SPREAD 2 19.49	IAN BOTHERM'S CRICKET 19.49	PLAN 9 FROM OUTER SPACE 22.99	T.N.T. (APB, HARD DRIVIN', TOOBIN, DRAGON SPIRIT, XYBOTS) (NOP) 7.99
SPREADSHEET AND K-DATA DATABASE 64.99	INDIANA JONES 2 ADVENTURE (FATE OF ATLANTIS) 23.99	PLAYER MANAGER 8.99	TEAM YANKEE 17.99
CADAVER 8.99	INDIANA JONES ADVENTURE (FATE OF ATLANTIS) 23.99	POOLS OF DARKNESS 21.99	TERMINATOR 2 16.99
CAPTIVE 8.99	INDY HEAT 16.99	POPULOUS & SIM CITY 16.99	THE ENFORCER (LIGHT PHAZER GAME) 9.99
CASTLES (1 MEG) 19.49	INTERCEPTOR - RENEGADE LEGION (SS) 10.99	POPULOUS 2 19.49	THE LOST TREASURES OF INFOCOM 1 (20 CLASSIC INFOCOM TITLES) 27.99
CASTLES DATA DISK 11.99	INTERNATION RUGBY CHALLENGE 17.49	POPULOUS 2 (1 MEG) 19.49	THE MANAGER (NOP) 19.99
CEASAR 19.49	INTERNATIONAL SPORTS CHALLENGE 19.49	POPULOUS 2 + DATA DISK 21.99	THUNDERHAWK 9.99
CELTIC LEGENDS 19.99	ISHAR - LEGEND OF THE FORTRESS 15.99	POPULOUS 2 CHALLENGE DATA DISK 11.99	TITUS THE FOX 9.49
CHAMPIONSHIP MANAGER 12.99	JACK NICKLAUS GOLF 8.99	POWER UP (CHASE H.Q. TURRICAN, X-OUT, ALTERED BEAST, RAINBOW ISLANDS) (NOP) 9.99	TRODDERS 15.99
CHAOS ENGINE 18.99	JAGUAR XJ220 (1MEG) 9.99	POWERDRIFT (NOP) 3.99	TV SPORTS FOOTBALL 3.99
CHART ATTACK (LOTUS ESPRIT, GHOULS 'N' GHOSTS, JAMES POND, VENUS THE FLY TRAP) 19.49	JAMES POND 7.49	POWERMONGER 19.49	UGH 16.99
CHUCK ROCK 8.99	JAMES POND 2 - ROBOCOD 16.99	POWERMONGER WORLD WAR 1 DATA DISK 11.49	ULTIMA 5 12.99
CHUCKIE EGG 9.99	JET SET WILLY 9.99	PREMIERE 16.49	ULTIMA 6 (1 MEG) 19.99
CHUCKIE EGG 2 9.99	JIMMY WHITES SNOOKER 14.99	PRINCE OF PERSIA (1 MEG) 9.99	UTOPIA 11.99
CIVILIZATION 22.99	JINXTER (MSCROLLS) 3.99	PRO TENNIS TOUR 2 16.99	UTOPIA NEW WORLDS DATA DISK 11.49
COOL WORLD 16.99	JOHN BARNES EUROPEAN FOOTBALL 16.99	PROJECT X (1MEG) 16.99	VIKINGS - FIELD OF CONQUEST 16.99
CORRUPTION (MSCROLLS) 3.99	JOHN MADDEN'S (U.S.) FOOTBALL 16.99	PROTEXT VERSION 4.3 WORD PROCESSOR 38.99	VROOM 16.99
CRAZY CARS 3 16.99	KGB 19.99	PUSH-OVER 16.99	VROOM DATA DISK 12.49
CREEPERS 19.49	KICK OFF + EXTRA TIME DISK (NOP) 3.99	QUEST & GLORY (BLOODYWYCH, MIDWINTER, CADAVER, BAT) 13.99	WALKER 19.49
CURSE OF ENCHANTIA 17.99	KICK OFF 2 (1 MEG) 8.99	QUESTRON 2 (SS) 4.99	WHEELS OF FIRE (HARD DRIVIN', POWERDRIFT, CHASE H.Q., TURBO OUTRUN) (NOP) 7.99
CURSE OF THE AZURE BOND (1 MEG) 17.99	KICK OFF 2 FINAL WHISTLE 9.99	R-TYPE 8.49	WING COMMANDER 1 22.99
CYBER ASSAULT (LIGHT PHAZER GAME) 9.99	KICK OFF 2 GIANTS OF EUROPE 7.99	RAGNAROK 24.99	WIZ-KID 16.99
CYTRON 19.49	KICK OFF 2 RETURN TO EUROPE 7.99	RAILROAD TYCOON (1 MEG) 13.99	WIZARDRY 6 - BANE OF THE COSMIC FORGE 24.99
D-GENERATION 10.99	KICK OFF 2 WINNING TACTICS 7.99	RAINBOW COLLECTION (BUBBLE BOBBLE, RAINBOW ISLANDS, NEW ZEALAND STORY) (NOP) 9.99	WOLFCHILD 11.99
DARK QUEEN OF KRYNN (1 MEG) 21.99	KICK OFF 3 16.99	RAMPART 16.99	WORDWORTH V1.1E A500P (SPECIAL ENHANCED 2MEG VERSION WITH 1 MEG. UPGRADE FOR A600) 79.99
DARKMERE (1 MEG) 15.49	KIDSTYPE JUNIOR WORD PROCESSOR 14.99		WORDWORTH V1.1E A600 (SPECIAL ENHANCED 2MEG VERSION WITH 1 MEG. UPGRADE FOR A600) 94.99
DEATH KNIGHTS OF KRYNN (1 MEG) 19.99	KIND WORDS 3 WORD PROCESSOR 29.99		WORDWORTH WORD PROCESSOR (1 MEG) 74.99
DELUXE PAINT 3 (WITH ANIMATION) 24.99	KNIGHTMARE 19.99		WWF WRESTLING 14.99
DELUXE PAINT 4 (1 MEG) (HAM MODE & ANIMATION) 54.99	KNIGHTS OF THE SKY (1 MEG) 22.99		WWF WRESTLING 2 16.99
DISNEY ANIMATION STUDIO 49.99	LAST NINJA 2 8.49		XENON 2 MEGABLAST 6.99
DOODLEBUG 13.99	LEADER 10.99		ZOOL (1 MEG) 16.99
DUNE 19.99			
DUNGEON MASTER & CHAOS STRIKES BACK (1 MEG) 19.49			
DYNA BLASTERS 19.99			
ELF 16.49			
ELITE 10.99			
ELVIRA 2 - JAWS OF CERBERUS (1 MEG) 22.99			

QUICKJOY QJ1 JOYSTICK (MICROSWITCHED) 6.99

LOGIC 3 SIGMA RAY 11.99

COMPETITION PRO EXTRA JOYSTICK (CLEAR BASE) WITH AUTOFIRE AND SLOW MOTION 10.99

CHEETAH BUG 13.99

QUICKJOY JET FIGHTER 11.99

QUICKSHOT111A TURBO 2 9.99

QUICKSHOT128F MAVERICK 1 12.99

QUICKSHOT PYTHON 9.99

QUICKJOY MEGASTAR 19.99

QUICKSHOT 155 AVIATOR 22.99

QUICKJOY TOP STAR 18.99

QUICKSHOT INTRUDER 1 22.99

QUICKJOY FOOT PEDAL (HIGHLY RECOMMENDED) 18.99

STARFIGHTER REMOTE WITH TWO INFRA-RED JOYPADS 29.99

Over 100,000 people have joined Special Reserve - the club with no obligation to buy! Tel. 0279 600204 for a FREE COLOUR catalogue

HARDWARE PRICES INCLUDE VAT AND DELIVERY TO UK MAINLAND

Special Reserve

Games Club

NEW AMIGA 600



AMIGA 600 LEMMINGS PACK

BUILT-IN TV MODULATOR, 1 MEG RAM EXPANDABLE TO 2 MEG, 12 MONTHS IN-HOME SERVICE GUARANTEE. FREE DELUXE PAINT 3 FREE LEMMINGS FREE SPECIAL RESERVE MEMBERSHIP

299.99

AMIGA 600 HD EPIC PACK

INTERNAL 20 MEG HARD DRIVE, BUILT-IN TV MODULATOR, 1 MEG RAM, 12 MONTHS IN-HOME SERVICE GUARANTEE WITH EPIC, ROME, MYTH, TRIVIAL PURSUIT, LANGUAGE LAB, DICTIONARY (5 LANGUAGES) & DELUXE PAINT 3

449.99



CITIZEN SWIFT 9

9 PIN, 80 COLUMN, 192CPS/48NLQ, 3NLQ/1 DRAFT FONT, 24 MTH WARRANTY. A 9 PIN PRINTER WITH COLOUR FACILITY AND FULL PAPER HANDLING FUNCTIONS. FREE SPECIAL RESERVE MEMBERSHIP FREE PRINTER LEAD FREE COLOUR KIT

184.99



CITIZEN 120D+

9 PIN, 80 COLUMN, 144 CPS/25NLQ, 2NLQ/1 DRAFT FONT, 24 MTH WARRANTY. HIGH QUALITY MONO PRINTER. FREE SPECIAL RESERVE MEMBERSHIP FREE PRINTER LEAD

129.99

CITIZEN 224 24 PIN

80 COLUMN, 192CPS/64LQ, 3LQ/1 DRAFT FONT, 24 MTH WARRANTY. 24 PIN LETTER QUALITY PRINTER WITH EXCELLENT GRAPHICS (360X360 DPI). FREE SPECIAL RESERVE MEMBERSHIP, FREE PRINTER LEAD & FREE COLOUR KIT

224.99

CITIZEN SWIFT 24E

24 PIN, 80 COLUMN, 216CPS/72LQ, 6LQ/1 DRAFT FONT, 24 MTH WARRANTY. ADVANCED VERSION OF 224 WITH HIGHER SPEED, MORE FONTS AND SPECIAL LCD CONTROL PANEL. FREE SPECIAL RESERVE MEMBERSHIP FREE PRINTER LEAD & FREE COLOUR KIT

274.99

STAR LC24-20 24 PIN

80 COLUMN, 192CPS/64LQ, 5LQ/1 DRAFT FONT, 12 MTH WARRANTY. 24 PIN QUALITY AT 9 PIN PRICE. FREE SPECIAL RESERVE MEMBERSHIP FREE PRINTER LEAD

204.99



CANON BJ-10EX BUBBLE JET

64 NOZZLE, 80 COLUMN, 83LQ CPS 2LQ/1 DRAFT FONT, 12 MONTH WARRANTY. A SMALL, PORTABLE PRINTER, VERY QUIET YET GIVING OUTSTANDING PRINT QUALITY. FREE SPECIAL RESERVE MEMBERSHIP, FREE PRINTER LEAD

229.99

RIBBON FOR STAR LC206.99 RIBBON FOR SWIFT 9 OR 120D+6.99
RIBBON FOR STAR LC2006.99 RIBBON FOR SWIFT 24 OR 2246.99
RIBBON FOR STAR LC24-206.99 RIBBON (COLOUR) FOR SWIFTS17.99
RIBBON (COLOUR) FOR LC20010.99 INK CARTRIDGE FOR BJ10EX19.99

DUST COVER FOR 80 COLUMN PRINTER (CLEAR PVC).....4.99
PRINTER LEAD (PARALLEL) FOR AMIGA, ST OR PC7.99
TILT AND SWIVEL STAND FOR MONITOR OR TV14.99



PHILIPS CM8833 MK 2

COLOUR STEREO MONITOR FOR AMIGA OR ATARI ST. ONE YEARS ON-SITE MAINTENANCE INCLUDED. OFFICIAL UK VERSION. FREE MONITOR LEAD FREE LOTUS 2 FREE MEMBERSHIP

199.99

TV TUNER FOR PHILIPS CM8833 MKII MONITOR ONLY (TURNS THE MONITOR INTO A TV)39.99
MONITOR LEAD - AMIGA TO PHILIPS CM8833 II7.99



PHILIPS 3332 15" FST

COLOUR TELEVISION/MONITOR FOR AMIGA WITH REMOTE CONTROL, AUTO PROGRAMMING AND TWO YEAR WARRANTY (ALSO FOR MEGADRIVE OR SUPER NES) FREE SCART LEAD (STATE AMIGA) FREE MEMBERSHIP

214.99

SCART LEAD - AMIGA TO TV WITH SCART INPUT (GIVES MONITOR QUALITY PICTURE)9.99



GOLDSTAR 14"

TELEVISION/MONITOR WITH REMOTE CONTROL AND SCART INPUT FOR AMIGA (ALSO FOR MEGADRIVE OR SUPER NES) FREE SCART LEAD AMIGA TO GOLDSTAR FREE MEMBERSHIP

159.99

DUST COVER FOR MONITOR (CLEAR PVC)4.99

LOOK! NEW AMIGA PACK...

AMIGA 600 WILD, WEIRD, WICKED PACK

BUILT-IN TV MODULATOR, 1 MEG RAM EXPANDABLE TO 2 MEG, 12 MONTHS IN-HOME SERVICE GUARANTEE, WITH, MICROPROSE GRAND PRIX, PUSH OVER, PUTTY AND DELUXE PAINT 3

319.99

GVP HD8+ 52 MEGABYTE

AMIGA HARD DRIVE (SERIES II) WITH EXPANSION SLOTS TO UPGRADE AMIGA RAM TO 8 MEG

314.99

GVP 2x1 MEG AMIGA RAM EXPANSION (SIMMS FIT IN GVP HARD DRIVE TO EXPAND AMIGA BY 2 MEG OR 4 MEG RAM)

89.99



A501 (WITH BART) AMIGA 512K RAM EXPANSION GENUINE ITEM WITH CLOCK FREE BART SIMPSON GAME34.99

1 MEGABYTE AMIGA RAM UPGRADE (TO 2 MEG) FOR A500 PLUS34.99

1 MEGABYTE AMIGA RAM UPGRADE (TO 2 MEG) FOR A50049.99

512K AMIGA RAM WITH CLOCK21.99

512K AMIGA RAM NO CLOCK19.99

EXTERNAL 3.5" DISK DRIVE FOR AMIGA WITH SONY/CITIZEN DRIVE MECHANISM. QUIET, HIGH QUALITY, SLIM.49.99

REPLACEMENT AMIGA POWER SUPPLY27.99



TECNOPLUS STARTER PACK

TECNOPLUS AMIGA STARTER PACK (AMOS, PRINCE OF PERSIA, QUICKSHOT 131 JOYSTICK, DUST COVER, MOUSE PAD, FILE-A-DISK RECORD SYSTEM, DISK CLEANER, 5 BLANK DISKS).....37.99

CLEANING KIT FOR COMPUTERS (INCLUDES VACUUM)19.99



NAKSHA AMIGA/ST MOUSE WITH OPERATION STEALTH 24.99



SQUIK MOUSE FOR AMIGA OR ST 12.99

SPECIAL RESERVE MOUSE MAT 4.99

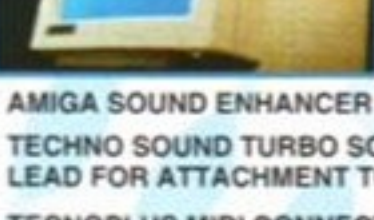
ZYDEC TRACKBALL 24.99



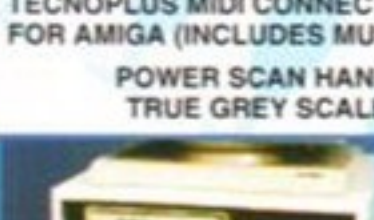
SCREENBEAT STEREO SPEAKERS FOR AMIGA OR PC. REQUIRE 4AA BATTERIES OR MAINS ADAPTOR. DESIGNED SPECIFICALLY FOR COMPUTERS INCLUDING MOUNTINGS FOR ATTACHMENT TO MONITOR.19.99

MAINS ADAPTOR FOR SCREENBEAT SPEAKERS7.99

AMIGA SOUND ENHANCER (BOOSTS SOUND)34.99



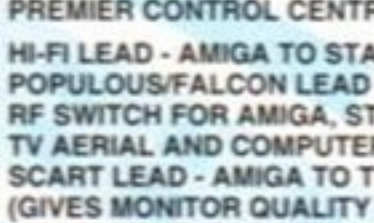
TECHNO SOUND TURBO SOUND SAMPLER FOR AMIGA INCLUDES LEAD FOR ATTACHMENT TO WALKMAN/DISCMAN.29.99



POWER SCAN HAND SCANNER FOR AMIGA TRUE GREY SCALE INCLUDES SOFTWARE 89.99



PREMIER CONTROL CENTRE FOR AMIGA 600 (STEELSTAND WITH EXTRA SHELF FOR EXTERNAL DISK DRIVES ETC PLUS CABLING FOR EASIER CONNECTION OF JOYSTICKS/MICE) 34.99



PREMIER CONTROL CENTRE FOR AMIGA A500 OR A500 PLUS32.99

HI-FI LEAD - AMIGA TO STANDARD PHONO INPUT3.99

POPULOUS/FALCON LEAD (NULL MODEM CABLE)7.99

RF SWITCH FOR AMIGA, ST OR CONSOLE (SWITCH BETWEEN TV AERIAL AND COMPUTER WITHOUT DISCONNECTING)3.99

SCART LEAD - AMIGA TO TV WITH SCART INPUT (GIVES MONITOR QUALITY PICTURE).....9.99

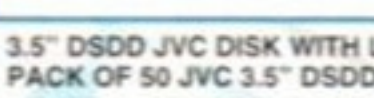
DUST COVER FOR AMIGA (CLEAR PVC)4.99



DELUXE DISK BOX 3.5" (80), LOCKABLE, DIVIDERS 10.99



BANX DISK BOX 3.5" (80) STACKABLE 9.99



3.5" DSDD JVC DISK WITH LABEL69p Each

PACK OF 50 JVC 3.5" DSDD DISKS WITH LABELS22.99

0279 600204

Open to 8pm Weekdays and to 5pm Weekends

ANNUAL MEMBERSHIP
UK £6.99 EEC £8.99
WORLD £10.99



We only supply members but you can order as you join.

The Special Reserve full colour club magazine NRG is sent to all members bi-monthly. NRG features full reviews of new games plus mini-reviews, new products, Special Reserve charts, Release Schedule and hundreds of special offers.



PLUS - EVERY ISSUE CONTAINS £30 worth of money-off coupons to save even more money off our amazing prices.

We sell games and accessories, all at amazing prices, for Megadrive, Master System, Game Gear, Super NES, Gameboy, NES, Lynx, Amiga, Atari ST, IBM PC, CDTV and IBM CD ROM.

Best Service, Best Prices, Biggest Selection
That's why over 100,000 people have joined Special Reserve.

Nintendo Super NES

WITH 1 CONTROLLER & SUPER MARIO WORLD
FREE SPECIAL RESERVE MEMBERSHIP
£10 OFF ANY SUPER NES GAME
FREE £5.00 REPLAY VOUCHER



129.99
SPECIAL RESERVE REPLAY VOUCHER WORTH £5 AND FREE MEMBERSHIP WORTH £6.99 WITH ANY SUPER NES GAME

SUPER NES GAMES

- ADDAMS FAMILY42.99
- BLAZING SKIES (WINGS 2)37.99
- DRAGON'S LAIR44.99
- F-ZERO37.99
- FINAL FIGHT47.99
- HOME ALONE44.99
- JOE & MAC - CAVE MAN NINJA47.99
- KICK OFF42.99
- LEMMINGS47.99
- PAPERBOY 237.99
- PILOT WINGS37.99
- POPULOUS42.99
- RIVAL TURF42.99
- ROBOCOP 347.99
- SIM CITY37.99
- STREET FIGHTER 262.99
- SUPER ADVENTURE ISLAND42.99
- SUPER ALESTE42.99
- SUPER CASTLEVANIA 442.99
- SUPER GHOULS AND GHOSTS37.99
- SUPER MARIO WORLD42.99
- SUPER PROBECTOR42.99
- SUPER TENNIS37.99
- SUPER TURRICAN37.99
- TURTLES 442.99
- TOP GEAR42.99
- ULTRAMAN37.99
- ZELDA 3 - LINK TO THE PAST37.99

Inter-Mediate Ltd. Registered Office: 2 South Block, The Maltings, Sawbridgeworth, Herts CM21 9PG.
INEVITABLY, SOME GAMES MAY NOT YET BE RELEASED. PLEASE PHONE SALES ON 0279 600204 FOR LATEST RELEASE DATES AND STOCK AVAILABILITY.

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN. THERE IS A SURCHARGE OF 50p PER GAME ON TELEPHONED ORDERS. (PLEASE PRINT IN BLOCK CAPITALS)

WAS 23

Name _____

Address _____

Postcode _____

Telephone _____ Machine type _____

Enter membership number (if applicable) or Membership £6.99 UK, £8.99 EEC, £10.99 World

Item _____

Item _____

Item _____

Item _____

ALL PRICES INCLUDE UK POSTAGE & VAT £

Cheque/P.O./Access/Mastercard/Switch/Visa Switch Issue No _____

Credit card expiry date _____ Signature _____

Cheques payable to: **SPECIAL RESERVE**

P.O. BOX 847, HARLOW, CM21 9PH

Overseas Orders: EEC software orders - no extra charge

World software orders please add £1.00 per item.

Non-software items please add 10% EEC or 25% World.

Overseas orders must be paid by credit card.

NOT JUST ANY OLD SAVER CAN GET ONE.

Growing old isn't all it's cracked up to be! For starters it means that you can't open an LTD account. Exclusively designed for 11-17 year olds, LTD gives you a cashcard (which means 24 hour access to your money) and a higher rate of interest than you could get if you were 18 or over. All for a minimum investment of £10. So make the most of your money by picking up a leaflet from any Britannia branch. But don't leave it too late.



ONCE YOU'RE 18, YOU'RE PAST IT.

A replacement for the hugely successful Cartoon Classics pack is announced...

Two new Amiga bundles

COMMODORE HAVE finally killed off the Cartoon Classics bundle and have replaced it with two brand new A600 bundles.

Called *The Wild, the Weird and the Wicked* for the A600, and the *Epic/Language Lab* for the A600HD, the two packs should be in the shops this month.

The *Cartoon Classics* bundle – the vehicle for the A500 and also under confusing circumstances, the A500 Plus and finally the A600 – served its purpose for two years but was not up to the job of showing off all the qualities of the A600.

Since January, the two new bundles have been crafted especially for the new machines. As Commodore (UK's) managing director, Kelly Sumner, explained at the recent launch: "The A600, *Wild, the Weird and the Wicked* pack will be available at £349.99. It's a direct replacement for *Cartoon Classics*. It has in there, *Pushover* from Ocean, *Putty*

The two new packs are a positive move and show Commodore's commitment to the long-term future of the A600.

SMART MOVE

One noticeable element of the new packs is the lack of any software for the PCMCIA credit-card drives. Sumner made his point quite strongly on the absence of even a taster: "They're damned expensive. And when Fujitsu and Mitsubishi and all these guys get their acts together and realise that they're over-priced, we may well do something.

"We're not going to take the lead, we're liaising with a lot of software publishers now, not on the games side, and third-party manufacturers. But realistically I don't think you'll ever see a game on a smartcard, you'll certainly see word processors and graphics because there's a long lead time and the cost is prohibitive. We realistically believe that CD is the better option."



The two new packs for the A600: on top *The Wild, the Weird and the Wicked*; on the bottom the back and front of the *Epic/Language Lab* pack.



Steve Franklin, right, the man who refused to cut the price of the A500; and Kelly Sumner, left, the new Commodore UK MD who has now cut the price of the A600.

“When we put the packs together we realised we had no big blockbusters, so we went for products that were either visually effective or bloody good to play.”

EPIC STRUGGLE

Much attention was also called to the fact that Ocean's *Epic* – a long-awaited game that was a sad disappointment in the gameplay department – is to headline the 'more mature' bundle. Sumner was incredibly diplomatic on this point: "*Epic* is visually a very impressive game. Basically all our packs are put together in January. We went with *Epic* basically because at that time Ocean said it was going to be the best thing since sliced bread.

"When we put the packs together, we realised that we had no big blockbusters like *Batman* or *Bart Simpson*, so we decided to go for products that were either visually effective or were bloody good to play. We believe we've got the right mix here."

When prompted as to how good *Epic* was as a game, Sumner commented: "I'm not a games player, but

my guys say it's OK. I saw it about a year ago and thought it was amazing. At the end of the day you're buying HDs out there for £499, you're getting seven pieces of software for nothing, so you can throw the *Epic* away if that's what you want. You're still getting *Rome* and *Myth* which are bloody impressive".

GOOD NEWS

The bottom line of all this for people who currently own and use Amigas is that Commodore have finally shown a considerable long-term and financial commitment to the A600. The machine certainly looks like it will be with us for quite a while.

Amiga Format's special thing

Following the good news that Commodore have placed financial and long-term faith in the A600, we are proud to announce that in every one of the two new bundles will be special editions of *Amiga Format*.

The world's most popular Amiga magazine will greet all the new users as they dive into the delights of their spanking new machines.

This will undoubtedly mean more readers join the throng that is the *Amiga Format* members club. And more readers mean more tips in *Game Busters*, more letters in er... Letters and more of a chance for us to bludgeon the publishers of *AF* into giving you better and better Cover disks, more pages, bigger features and even more special, special offers and competitions.



Anyone who buys one of the new Amiga bundles will receive a free special edition of the world's biggest-selling Amiga magazine.

from *System 3*, *DeluxePaint III* obviously from Electronic Arts, and MicroProse's *Grand Prix*.

"There are details of how to fit everything on the back. Even though the failure rates on A600s are far less than A500s we've even put quick connect guides in there."

He also explained about the A600, single-drive pack which is aimed at the younger audience: "We also have the A600 HD pack. You have in there *Epic* from Ocean, *Rome* from Millennium, *Myth* from System 3 and *DeluxePaint III* from Electronic Arts.

"Slightly different, this is the dual-sided pack with the *Amiga Language Lab* on the back. This contains *Trivial Pursuit* in three languages – German, English and French, a multi-lingual dictionary to help you out, and *AmigaText* which is a basic word processor. This will retail at £499.99 so there is no change in price."

Renegade announce a move towards CD software in a bid for cheaper software and to counter piracy...

Sensible Soccer sensible prices

RENEGADE SOFTWARE'S recent announcement that they were going to enter the CDTV arena with a £19.99 version of their smash hit *Sensible Soccer*, has livened up Commodore's hi-tech Amiga more than any announcement.

Renegade's spokesman Tom Watson, said: "There were a number of reasons behind the pricing. First, we have not enhanced the game for Compact Disc. We could have added some bells and whistles, some frills on top of the floppy version, but that is exactly what they would have been."

In effect, adding on a few cosmetic changes to the CD version is one of the many reasons software publishers have found for selling on a cheaper storage media (a single CD is cheaper to produce and buy than four or five floppy disks) at a higher price. Watson feels the consumer deserves a better deal, and that the software publishers could also be doing themselves a favour.

"The message that should go out, and it's an important one, is that the CD is unpirateable. For a long time now the publishers have been saying that they will bring down the price of software as and when the pirates stop. The pirates have been saying that they will stop pirating software when the prices drop. Of course it's a chicken-and-egg situation. And we all know that neither was going to happen first.

"The message that we want to get across is that CDs are cheaper than floppies and they also can't be pirated. So get into CDs and the prices will then come down."

This seems to be a constant argument in the software and hardware industry at the moment. At a recent press conference, Commodore's managing director in the UK, Kelly Sumner, pointed out: "The reason that they [software houses] say that they have to charge £24.99 or £34.99 is because of the piracy problem and they



Tom Watson, of Renegade software, has decided to brave it in the CD arena with the excellent *Sensible Soccer*. And why the hell not, surely this is the format of the future?

just don't get the return. But using a CD, there is so much code there that if someone wants to pirate the disk it will cost them more to buy the blanks than it will for them to buy the original. And that's the only way we are going to stamp out piracy.

"So, if a game was £19.99 and it takes 40 disks to copy, it's not worth it for a pirate, he might as well go and buy the original. OK so he might get a kick out of it, but it's a pretty

expensive kick – and he'd get a very sore wrist from putting the disks in and out. So that's the plan, to get CD software as inexpensive as possible."

All of this bodes extremely well for the CD-buying, CDTV and A570 owning, Amiga users: CDs could well be the format of the future. We just wish that Commodore, despite their playing-up of the CD market, would be a little more forthcoming with news of the imminent A670 release.

New Bridgeboard ahoy

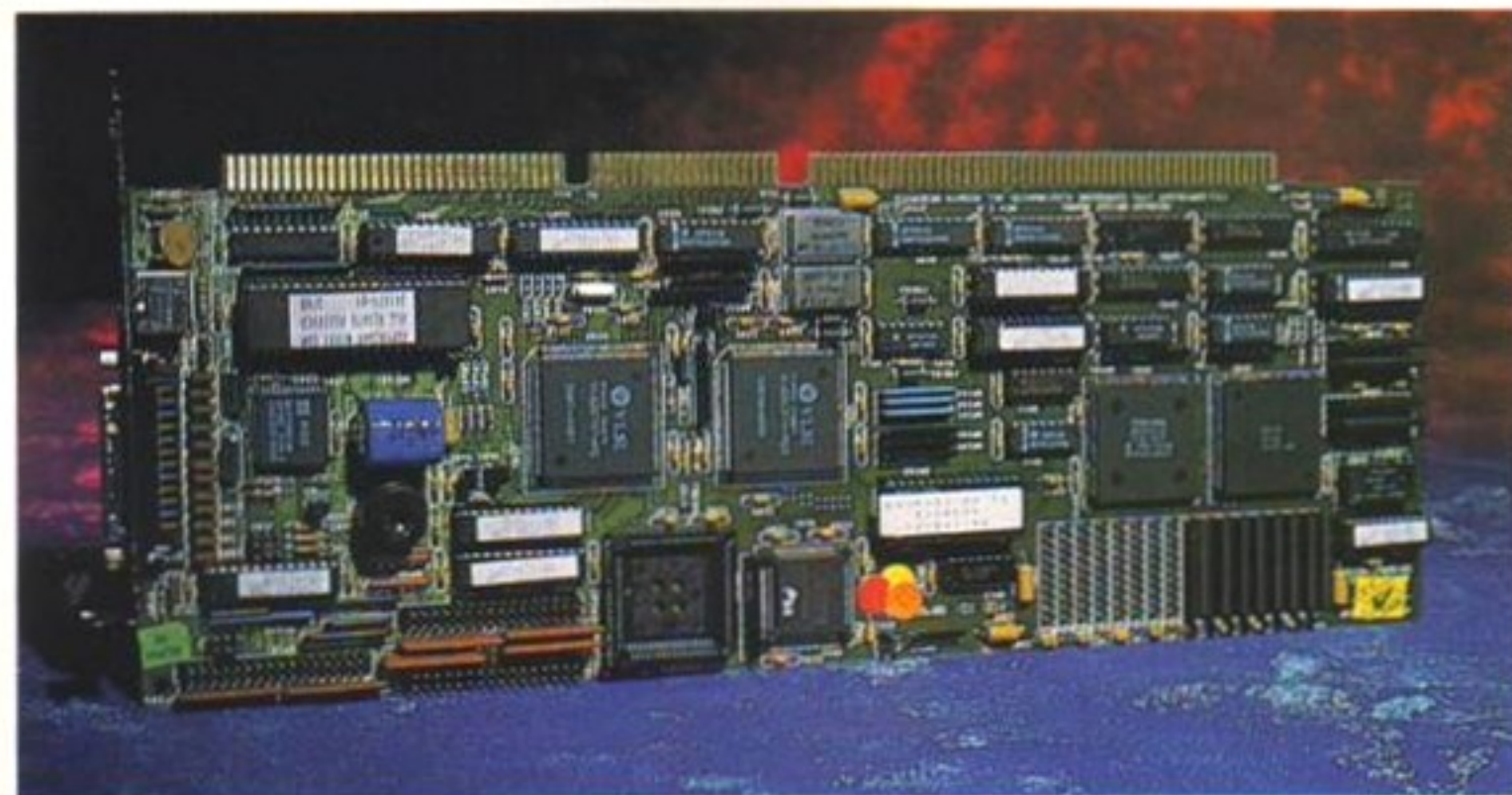
All this hype being kicked up about the IBM PC and compatibles being this month's flavour, it now seems the right time for Commodore to show that the Amiga can more than hold its own. To this end, the company have released a new bridgeboard.

To start off with this will be on the 2000, 3000, 15000 machines. It is going to be a 386sx/25 bridgeboard with 2Mb of RAM on board. It can be configured for the Amiga or the PC, and it will be priced around the £250 mark.

Good news for A600 hundred users is that, according to Kelly Sumner: "It is envisaged that we will be looking to do something similar for the A600 but I suggest that we will do this at a different price point."

This different price point should be lower than the more highly specified, but will probably take into account that less RAM will be on board.

The fact that Commodore feel comfortable taking on the PC in this way bodes very well. Unlike other home computers, the Amiga is not likely to fade away under the threat that is being worked up by some of the press and the PC makers.



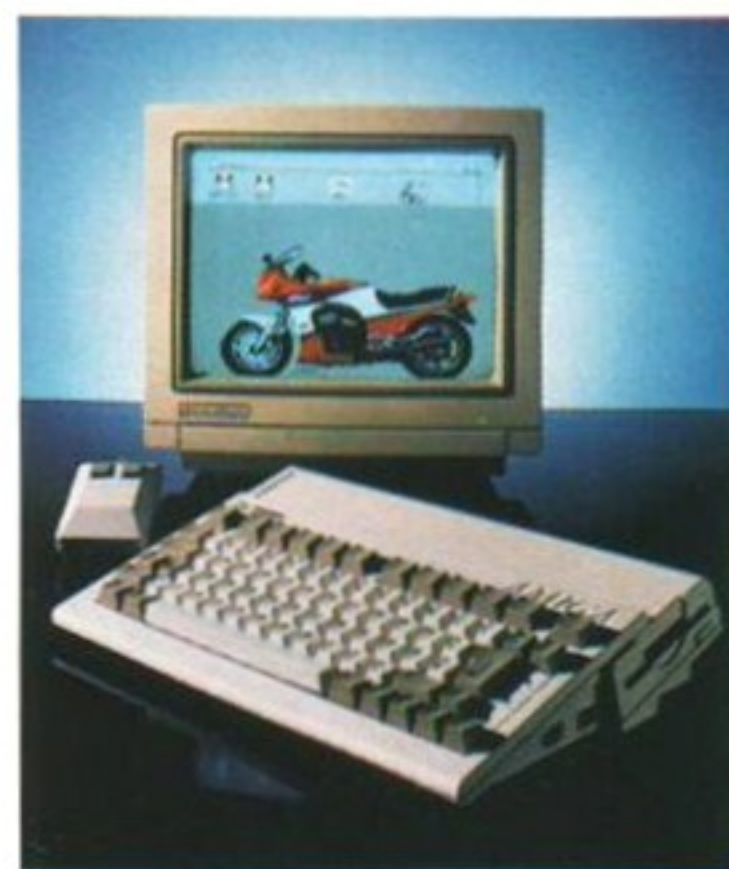
Commodore launch a new bridgeboard for the higher-end machines. A600 the next stop?

Scotland is braved

In a move that is sure to put a smile on the right side of David Mellor, and the rest of the government's face, not to mention the hard-pressed Caledonian workforce, Commodore are to make all of their UK issue Amigas in Scotland.

The news was announced by Commodore UK MD, Kelly Sumner at a recent press conference. He said: "We are now producing the A600 in England [well Scotland actually]. And when I say producing I don't mean just assembling, I mean actual production from the board layer up. So the chips and the plastic moulding are made in the UK.

"All the products for the UK pre-Christmas will be built in Irving in Scotland, and we export a significant number of Amigas to Europe so we will be a net exporter of Amigas this fiscal year. It's also created, rather secured, 200 jobs in Scotland. It is not Commodore UK, it's an associate company called SCI. And it's our intention to produce all Amigas in Scotland whether they be high-end or low-end.

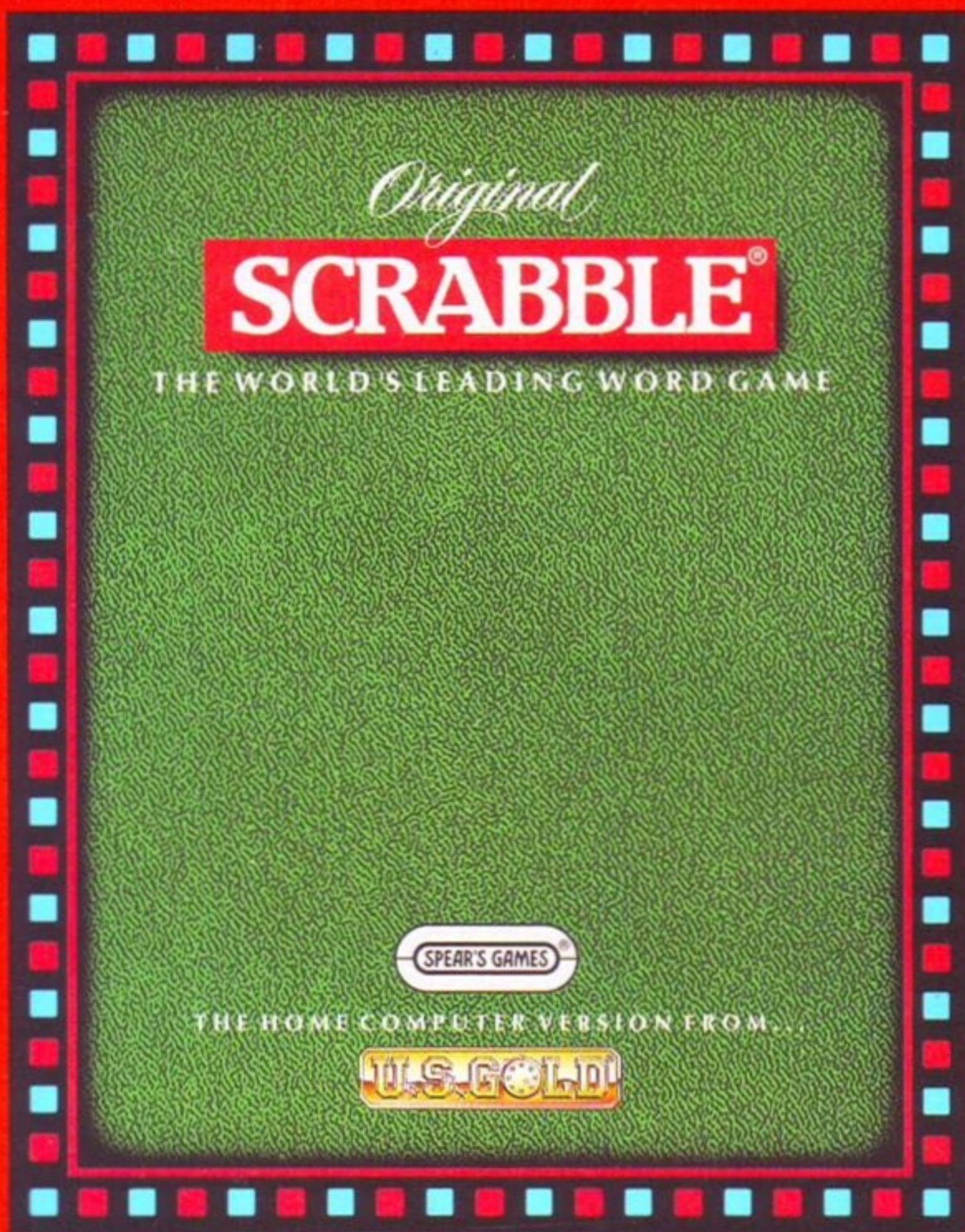


The Amiga is Scottish – it's official. All UK Amigas are to be manufactured solely in the bonnie town of Irving.

"This is basically endorsing our belief in what the UK Amiga market's going to be and what it is at the moment. It's not easy, it's not cheap to set up a production plant, we believe it's going to be a good market."

The move away from the Far East and to the near North will not affect Commodore's pricing plans, however. It seems that the move was considered before the £100 price drop of the Amiga 600 took place. What it does mean though, is that supplies, and hopefully support, will be speeded up over the busy periods.

**Peripheral required
for playing
Computer Scrabble**



You know your scrabble. Seldom does a 'zugzwang' on a triple word escape your eagle eye. Now US Gold have pioneered Computer Scrabble. It's the same Scrabble you've always enjoyed, but with some very special added features.

Thanks to Computer Scrabble you can challenge up to three colleagues in the office over lunch, take on the family back home, or even have the neighbours round for a war of words after supper - all without the hassle of setting up a board.

You can also lock horns on your own with the computer game which has twice won the Computer Olympiad. With its dozen different skill levels, you can improve your game as you progress to the

ultimate victory - a level 12 blitzkrieg.

Listed in the game's memory is every single page of the Chambers Official Scrabble Dictionary - over 126,000 words (a programming triumph in itself) - so you can settle disagreements with a quick recourse to the definitive referee, too.

Computer Scrabble from US Gold. The thinking person's computer game.

AVAILABLE ON:
Atari ST, Amiga and PC & Compatibles (EGA, VGA, minimum memory required 640k).

PRODUCT LICENSED BY J.W. SPEAR & SONS P.L.C., ENFIELD EN3 7TB, ENGLAND. MANUFACTURED AND DISTRIBUTED BY U.S. GOLD LTD., UNITS 2/3 HOLFORD WAY, HOLFORD, BIRMINGHAM B6 7AX ENGLAND. TEL: 021 625 3366.

© 1988, 1992 J.W. SPEAR & SONS PLC. SCRABBLE® IS A REGISTERED TRADEMARK.



PHONE

HINTS TIPS 'N' CALL THE GOLD PHONE: SPELLJAMMER • PROPHECY OF THE SHADOW • THE SUMMONING • DARK SUN • EYE OF THE BEHOLDER • LEGEND OF DARKMOON (EYE OF THE BEHOLDER II) • DRAGONS OF FLAME • HEROES OF THE LANCE TEL: 0839 654 139 OPERATION STEALTH • ANOTHER WORLD • FLASHBACK • CRUISE FOR A CORPSE TEL: 0839 654 284 LUCASFILM HELPLINE • LECHUCK'S REVENGE (MONKEY ISLAND 2) • INDIANA JONES (LAST CRUSADE & FATE OF ATLANTIS) • ZAK MCKRACKEN • MANIAC MANSION • LOOM • SECRET OF MONKEY ISLAND • BATTLE OF BRITAIN TEL: 0839 654 123 **INFORMATION LINE:** 0839 654 124 • LEGENDS OF VALOUR TEL: 0839 993 366 • ACCESS HELPLINE: AMAZON TEL: 0839 654 394 • SIR TECH HELPLINE: CRUSADERS OF THE DARK SAVANTY TEL: 0839 994 477
Service provided by U.S. GOLD LTD., UNITS 2/3 HOLFORD WAY, HOLFORD, BIRMINGHAM B6 7AX. If you are under 18 please get permission to use the telephone. Calls cost 30p per minute cheap rate, 40p per minute all other times.

The Future Entertainment Show

AMIGA FORMAT

16

NOVEMBER 1992

The Preview

THE WORLD OF Commodore Show, which was such a huge success last year, has grown and grown, and has become the Future Entertainment Show. In fact, it is estimated that the new-look World of Commodore/Future Entertainment Show will be three times as big as last year's extravaganza.

The FES is the biggest computer exhibition in Europe this year and the biggest ever computer show in the UK (in fact, it is the third largest exhibition of any kind in the UK this year).

It has attracted such interest from inside and outside of the Amiga world that the organisers have had to take up more than 17,000 feet of space in order to pack all the exhibitors in.

More than 70 top-class exhibitors will be showing their wares at the Show this year. Many of these will have special show deals at just the right pre-Christmas moment.

The Show is not just going to be all about games-playing. There will be a

concentration on gamsey stuff, but much of the space in the two massive Earls Court halls will be given over to the more serious side of the Amiga (and other machines so you can get a look at how the other side lives).

Beside all the computer-related sights, sites and sounds will be a few added extras to complete a day-out. For example there will be a 20-metre square video wall which is bigger than the one used at the WWF Summer Slam; there will also be bar-flying (sticking yourself to a velcro wall in a velcro suit) and a whole host of other activities.

NEW LAUNCHES AT FES

Many companies in the industry are using the Future Entertainment Show as the launchpad for new products (see side column on Commodore). Without giving too much away (and many of the companies concerned have slapped non-disclosure agreements on us), here are a couple of teasers:

AMIGA presents



15 - 17 November 1991

Commodore

NEW FINAL COPY NEW WORDSWORTH

If you are wondering what happened to *Final Copy* in our round-up of word and document processors (Pages 151-158), the omission is because a brand new version is due to be launched at the Future Entertainment Show.

Not only will *Final Copy II* retail at (just) under £100 – it will cost £99.95 – it has also been launched with a full UK spelling checker and thesaurus. To compound the good news is the fact that it will be sold officially in the UK for the first time. The UK retailers are going to be Gordon Harwood Computers (0773 836781).

To support an already healthy market, Digita are to announce the arrival of a new version of the popular and successful *Wordworth*. The upgraded word processor will come with 10 Compugraphic fonts, four ColourFonts and 100 pieces of mono and colour clip art. It also makes use of IntelliFont technology, which enables 1.3 and Workbench 2 users to display outline fonts in any size and style. It also means that you can mix internal printer fonts, Amiga outline fonts, ColourFonts, Postscript and bitmapped fonts in the same document. Be at the show to discover the price and other details that Digita might have up their sleeves.



The queues at last year's World of Commodore Show: big, but there's bigger to come.

Commodore's new machine?



The new A600 packs. But this isn't the only new hardware that Commodore has up its sleeve.

WITH ALL THE news of the new-look A600 packs you might be forgiven for forgetting that Commodore actually make all-new machines as well.

The first big news for this month is that the United States arm of Commodore finally came through with the long-awaited Amiga 4000. The eagerly anticipated launch of the high-end Amiga took place at the World Of Commodore Show in Pasadena, California in September.

Thought by many to be the first in a new wave of Amigas, the A4000 sports the Advanced Graphics Architecture chip set, giving a maximum of 256,000 colours on screen at once, from a palette of 16.7 million.

The UK launch of the machine will of course be at the Future Entertainment Show.

But it now appears that this won't be the only new hardware launch at the Show.

It now appears that the company will be making a splash at the Future Entertainment Show as they show a brand new machine.

Strong rumours in the software and developers arenas lead us to believe that what is expected to be a brand new Amiga will make its first appearance at the FES. At the moment full details are difficult to come by because Commodore are being heavily secretive about it.

With the A2200 now officially out of the running – Kelly Sumner, managing director of Commodore UK confirmed it "absolutely does not exist," at a recent press conference – a mid-range Amiga is sure to be a good bet.

Whatever the specifications of the A???? turn out to be, Commodore has assured us that it will be 'impressive'.

In fact, it looks to be the biggest public launch we have seen from the company since CDTV.

The award winning Space Combat Simulation. Available soon for the Amiga!



Navigate dense asteroid fields!



Battle dangerous alien aces!

Can you meet the challenge?



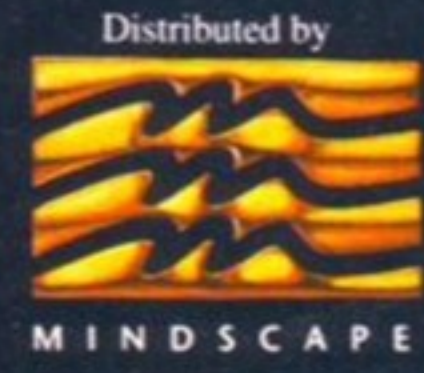
PC screens shown. Amiga screens may vary.

Launches You Into The Ultimate Deepspace Dogfight!

- Starships so real you'll duck when they pass!
- Intense starfighter action pushes you to the limit!
- Earth-shattering stereo sound surrounds you with realism!
- Dynamic shipboard scenes prepare you for the battle ahead!
- Your skilled wingman is ready to pull your bacon out of the fire!
- Cinematic launch and docking sequences hurl you into the action!

WING COMMANDER

The 3-D Space Combat Simulator



For more information please contact:
 Mindscape International, Priority House, Charles Avenue, Burgess Hill, Sussex RH15 9PQ. Tel: 0444 246333

Win £10,000 playing games

AS WE MENTIONED last month, the National Computer Games Championships Grand Final – now in association with Yorkshire TV's computer games related television show, Bad Influence – will be held at the Future Entertainment Show.

The total value for First and Second prizes is a monumental £14,000, that's £10,000 for the Winner, and £4,000 for second place – so if you win, you can stop playing games and buy a couple of Amiga 3000s instead.

The regional heats for the competition mean that wherever you are in the country you have a fair chance of having a crack at the big prizes.

The format of the competition is straightforward: in the heats, each competitor gets a two-minute blast on a soon-to-be-announced game (the clever betting here is no *Zool*). The four winners from each heat will be contacted after the event and will go on to the regional final on the Friday. Regional finals will be fought out by the four over two rounds. The first 15-minute round will be played on the Amiga, the winner of which will go on to the next round which must be fought out on an Amiga, a Sega Mega Drive and a Nintendo SuperNES. The player with the highest combined score will be the one who makes it to the televised London final.

If you make it this far, you are guaranteed at least an Amiga, a Mega Drive, an SNES and all the software used in the final. The exact format of the final is being kept a tight secret but with the TV interest and a mammoth prize, it should be a humdinger.



The longest journey starts with one step – so step into a Virgin Games Centre or Mega Store to start what could be a journey to Earls Court and £10,000.

DETAILS, DETAILS

The regional heats will be held at the following Virgin Megastores from Monday to Thursday between 2pm until 5pm. Finals will be held on the Friday on the following dates:

SCOTLAND:
from 12 October at Glasgow Union St, Falkirk and East Kilbride Games Centres. Final: Glasgow Argyle St.

NORTH WEST:
from 19 October at Stockport Games Centre, Manchester Megastore. Final: Manchester Megastore.

LONDON:
from 26 October at Bromley, Croydon, Guildford, Ilford, Kingston and 100 Oxford St Game Centre. Final: Marble Arch Megastore.

MIDLANDS:
from 26 October heats and finals at the Birmingham Megastore.

WEST:
from 26th October at Bristol Games Centre, Cardiff Megastore. Final: Cardiff Megastore.

NORTH EAST:
from 26th October at Newcastle Megastore, Gateshead Games Centre. Final Newcastle Megastore.

Remember that Future Publishing will pay all of the travel and accommodation expenses of the eight finalists and their guardians to the Grand Final at the Future Entertainment Show. So get down to your local Megastore.

AMIGA FORMAT

18

NOVEMBER 1992

Commodore

Rumours abound that Commodore will be previewing, if not actually launching, a brand new Amiga at the Future Entertainment Show. We know that they showed the A4000 at the World of Commodore show in Pasadena last month, so the new beast should be a real surprise and a very big deal.

Nintendo

The fight for the prime toy spot will be fought out between Nintendo and Sega at the show; at least the kids will have something to watch. The likelihood is that both the Japanese companies will be concentrating on CDs and Christmas games.

SEGA

More console fun as Sega pit *Sonic the Hedgehog* against *Mario™* from Nintendo. We of course will stand back and watch as *Zool* puts paid to both of them. Aside from this, Sega will have many new games to show.



Electronic Arts have been incredibly busy. Not only have they recently bought US-based Origin (the company responsible for the *Ultima* series and the soon-to-be-released *Wing Commander*), they have also been developing away like crazy. Don't miss their forthcoming launches at the Show.

Win a pair of tickets!

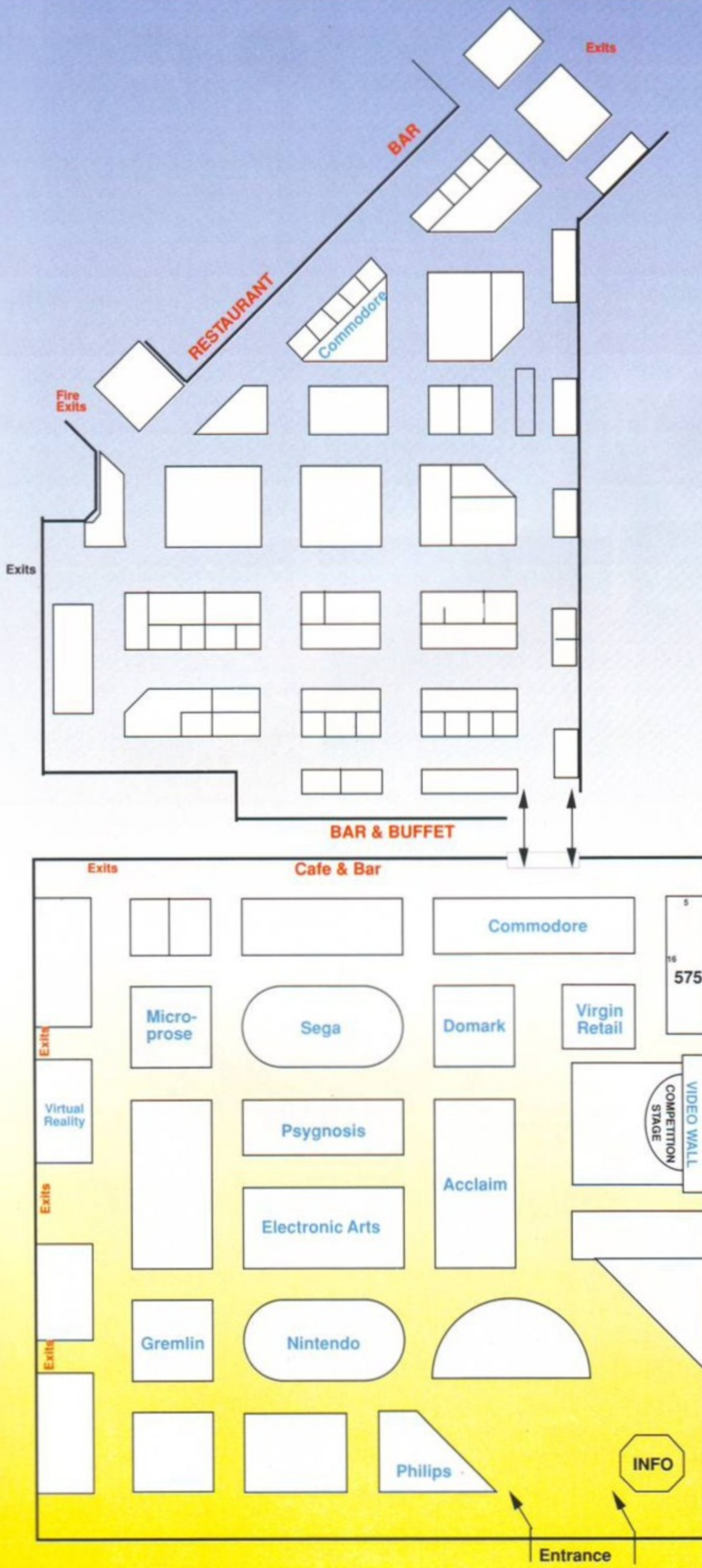


That's right, we have been given five highly prized pairs of VIP tickets to give away for the Future Entertainment Show. So if you want to have a great day out courtesy of **Amiga Format**, all you have to do is answer one simple question; keep one day between November 5 to 8 free, and send your answer to: FESComp, **Amiga Format**, 30 Monmouth St, Bath, Avon, BA1 2BW. Be quick though, because the closing date for entries is Friday 16th October so that we can be sure of getting your tickets to you on time if you win. Winners will be notified by phone on that date, so you'll still have time to get tickets if you don't win.

OK, so here's the question: somewhere in this magazine you will find a list of all the magazines that Future Publishing er... publishes. If you can name them all, and you're first out of the hat, then we'll send one pair of tickets to you. If you can name all the mags that Future has ever published, we'll make that four tickets. Good luck.

AMIGA FORMAT

Amiga Format will be out in force at the Future Entertainment Show so make sure to come and meet us all. We will be available to answer as many of your questions as we possibly can. Anyone who buys a member of the **AF** team a beer will get their name printed in the January issue.



Earls Court 1

Earls Court 2



As Zoo-fever begins to take a firm hold (leaving the console users looking on in awe) you can expect an impressive looking stand, a few competitions and maybe even news of *Zool 2*. Who knows? That's half the excitement of going along to the show.

MICROPROSE

With *Formula One Grand Prix* tucked inside the new A600 bundle, we can surely expect a firm commitment from MicroProse to the Amiga. Their stand is normally festooned with flight-jacket wearing people desperate to give away T-shirts and other gear. Be there.

DOMARK

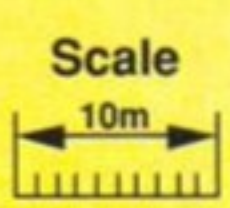
Domark will be on the Winter offensive yet again with upgrades, new releases and a few more tricks ready to impress an unsuspecting public. One thing we know they'll be bringing is *AV8B Harrier Assault* which, rumours have it, could be one of the better Amiga flight-sims.



The Liverpool-based software house have been beavering away at *Microcosm* for CDTV. This truly stunning game has already been shown in part to some members of the press, so you might expect to catch a glimpse at the next stage in Amiga gaming at the FES.

Acclaim

Although the company has done nothing for the Amiga since *Bart V the Space Aliens*, Acclaim could have a few tricks up their sleeves. However, it is more likely that they will be previewing and launching console-based games.



Audio Visual Research

AVR will be launching two new products for the Amiga at the show: Clarity 16 is a 16-bit sampler and will cost £150; VideoMaster costs £69.95 and combines audio and visual digitising. It also comes with a sequencer and video editing suite.

New sounds from New Dimensions

New Dimensions are currently working like crazy on the latest version of their sampling system, which should be finished in time for the show. *Technosound Turbo II* boasts a number of improvements over its predecessor, the most impressive of which is its ability to record samples direct to disk. It will cost £49.99, but upgrades will be available to existing users for £10.

Get there cheap

Network SouthEast

The organisers of the Future Entertainment Show have arranged with British Rail and Network South East a dual-ticketing deal for thousands of show goers.

The deal relates to all of the 942 Network South East stations, and means that travellers can get unlimited underground and bus travel, and the cost of the ticket to the show with an Off-Peak, One-Day Travelcard plus reduced admission to the show itself. The £1.05 reduction is not only good for the pocket, it also means that you can get in ahead of the crowd as you avoid the queues. So if you travel to the show by train you'll save time and money.

Meet Amiga Format



The Amiga Format team: meet us all at the show and ask some extremely taxing questions and we might give you a T-shirt.

If you couldn't get to last year's World of Commodore Show, now's your chance to get face-to-face with the *Amiga Format* team. The Future Entertainment Show, which is a massively extended version of the World of Commodore, will be the venue for a number of magazine forums in which you get to put your views, and hear those of the people behind these very pages.

You get to ask Damien why your letter wasn't printed. You can argue with Neil about game ratings. You can even chat with Pat about the more technical side of your machine. Everybody else will be there too. So come along with ideas about what you would like to see in the mag over the next year. We're more than pleased to meet you. Oh, and by the way, sister magazines *Amiga Shopper* and *Amiga Power* will also be there. Don't miss this chance to make yourself heard.

Virtually there

Experience the hip thing of the moment: Virtual Reality. At the FES, Zona will be offering you the opportunity to exist... somewhere else. Hunt out your opponent in a full-colour, three-dimensional, 360-degree world.

CD-i versus CDTV

This is your chance to see Philips CD-I system for yourself. At the Future Entertainment Show you will have the chance to see whether, at £599, the CD-I 205 player represents stiff competition for Commodore's CDTV system.

Both use CDs to enable the user to

manipulate audio, text, graphics. Both have invested a great deal of time, money and faith in the development of their respective systems over the last few years. With Philips arriving this year amongst speculation that the huge Sony Corp will be backing it, CDTV faces its first real challenge. So decide for yourself who the winner should be.

Get tickets now and get them cheap

That's right, not only can you jump the queues that will be winding around Earls Court, you can also get them at a discount if you apply early. All you need to do is call:

051-356 5085

in order to save £1.05 and a great deal of your valuable time, all of which you will need to get round the show. Using the hotline number, you only spend £5.95 (adult) or £3.95 (children).



You've heard all the PC hype of late. Now see the Amiga beat the reality.

Bitcon

A PC emulator for the A600? Who said the machine was unexpandable? Bitcon, UK agents for Dutch-based KCS, will be showing for the first time a PC emulator for the Amiga 600.

A high-density twin floppy drive will be the other big attraction on the stand, able to read and write not only with Amiga but also PC disks when used in conjunction with the PC emulator.

HARD BENEFITS!

Just because you have seen the games-laden posters and have read about the World Wrestling Federation beefcakes appearing at the Future Entertainment Show, don't be fooled into thinking that it's not going to be pulling its weight with the serious stuff.

The Future Entertainment Show will be about the whole world of Commodore and Amiga computers.

Companies of the magnitude of Great Valley Products (GVP), HB Marketing, Nimbus and Power Computing will all be in attendance. This means that range after range of quality hardware and software - from scanners to hard drives, graphics to word processors, videos to accelerators - will be there for the taking.

Many of the companies appearing at the Show will also be putting on special show deals as well.

Great products from the Valley?

Great Valley Products have just announced a whole barrow-load of new hardware and software, making their UK distributors Silica very happy in the process. The news represents the largest new product announcement from GVP for almost two years.

Products that GVP will inevitably be showing at the FES include: G-LOCK is a new high-quality genlock system which goes on sale in October for around £300. *CineMorph* is GVP's new 24-bit morphing package, created by the same team which made the IV24 Amiga graphics card. *CineMorph* also hits the streets in October, priced at around £100.

I/O Expander is a new plug-in card for the A1500, A2000 and A3000 which provides two high-speed serial ports and a parallel port. It is available now and is priced £149 inc VAT. GVP are now supplying the HD8+ hard-drive unit - without a hard-drive fitted. The HD8+ system, which features an Amiga-style casing, high-speed GVP controller hardware and a RAM expansion slot, is now available in its 'empty' form for £199. GVP move up a gear with their fastest G-FORCE Amiga accelerator yet, a 33Mhz 68040 unit for the A1500 and A2000. It is available now, priced £1699.

FRIDDEOUS

RELIABLE

MAD

GRUESOME





**THE NEW
AMIGA CD DRIVE.
FOR MORE INFORMATION
BUY ONE.**



The Amiga 570 CD Drive has arrived. A major leap forward for you. But a slight problem for our photographer. Because just one compact disc inserted into this ingenious machine can store the equivalent of up to 700 floppy discs – far too many to fit into a single photograph. That's an astonishing 550 Megabytes of memory, or 250,000 A4 pages of text. Enough to instantly transform your Amiga 500 Plus into an interactive multi-media player with the capabilities of CDTV.

In short, a real power-house. And one fully equipped to take advantage of over 100 CD titles already available covering everything from education to entertainment. The Amiga 570 CD Drive can also be used as a regular audio CD player. So its retail price of only £349.99, including our free Public Domain Collection disc, should come as music to your cheque book. We could go on and on about the Amiga 570. But how much more information could you possibly want?

From Commodore

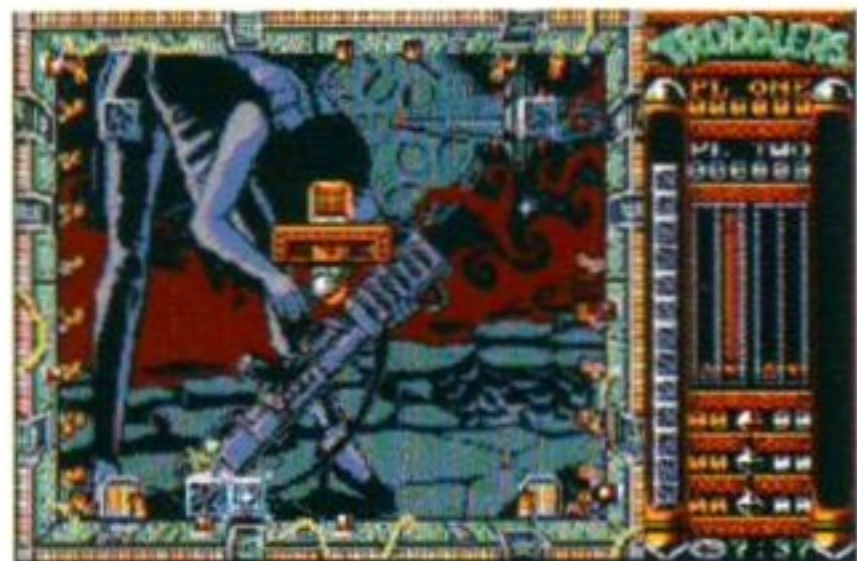


AMIGA
THE ULTIMATE
HOME COMPUTER

STOP PRESS: THE NEW AMIGA 570 CD DRIVE IS FULLY COMPATIBLE WITH THE AMIGA 500 PLUS. HOWEVER, IF YOU HAVE ANY OTHER TYPE OF AMIGA 500 PLEASE CONTACT YOUR DEALER BEFORE PURCHASING. ALTERNATIVELY WHY NOT EXCHANGE IT FOR A CDTV MULTI-MEDIA PACK FOR ONLY £399.99. THE A570 IS AVAILABLE FROM SELECTED HIGH STREET STORES, INCLUDING DIXONS, SPECIALIST INDEPENDENTS AND MAJOR MAIL ORDER COMPANIES INCLUDING GREAT UNIVERSAL STORES.

Games News

The usual Christmas rush is about to start, when software houses desperately try to meet their all-important deadlines. Neil Jackson looks at the potential hits and misses we can expect to find weighing down our seasonal stockings.



Troddlers: more little creatures to chase around.

Storm (Sales Curve)

Troddlers is the next game we're likely to see from Storm, and it's another *Lemmings* style guide-the-little-creatures-around-the-platforms affair. Due in early November, *Troddlers* features 175 levels, 25 are head-to-head, 50 are two-player team games, leaving 100 for solitary players. That should keep you occupied.



Road Rash: on track for early December from EA.

Electronic Arts

What do you get if you cross a racing game with a beat-'em-up? *Road Rash*: EA's new mix of motorcycle mayhem and macho posturing. It's basically a *Super HangOn* clone, except that you can punch and kick bikers off their machines. The aim is to win, so you can buy bits for your bike, and keep on winning.



Don your detective cap in Daughter of Serpents.

Millennium

Daughter of Serpents, Millennium's break into the world of graphic adventures is to be released next March. It's being written by Eldritch the Cat and features some beautiful backgrounds and scenery from 1930s Egypt. Rather like the classic Agatha Christie stories, it's a tale of intrigue, excitement and detective work. Depending on the role you elect to play, different aspects of the story unfold, making the plot seem slightly different every time.

Coktel Vision

Originally earmarked for a May release, *Bargon Attack* is now expected to be with us in time for Christmas. Based on a cartoon strip from a French computer magazine, *Bargon Attack* takes the form of a graphical adventure, but from what we've seen, it's not a patch on *Monkey Island 2*.

UBI Soft

Another game out at Christmas is *BC Kid* from UBI Soft. It's a head-butting, jumping, plat-formy-rompy-type game where you scoff chilli peppers and run around like a thing possessed. It features crazy prehistoric arcade action (you climb walls using your teeth) and it looks like a cross between *Zool* and *New Zealand Story*.

FIGHT THE WHOLE OF EUROPE



Air Warrior fans can now keep their 'phone bills to a minimum thanks to a new deal worked out between On-Line Entertainment and BT.

Air Warrior, the multi-player flight simulator played via a telephone, is now expanding its coverage to the whole of the European continent. Game operators, On-Line Entertainment, have now negotiated a deal with BT which enables the game to be played over BT's Tymnet computer network.

This means that potential players no longer need to build up huge phone bills, since they can access the On-Line computer from their local Tymnet node. Players from Austria, Belgium, Denmark, Holland, France, Germany, Sweden, Italy, Norway, Spain and Switzerland can take part for the cost of a local call and their On-Line subscription.

UK Users of *Air Warrior* aren't left off the European list of those who can benefit from reduced call costs. As a result of the connection to the European network, On-Line can now be accessed via BT's X-25 network, Dialplus. This enables users to connect to London for the price of a call to their nearest Dialplus node, and you'll find these in 102 British cities.

To find out more about *Air Warrior* and other On-Line games, contact Clem Chambers on 081-558 6114. The main London node for On-Line can be reached on 081-539 6763, or use the On-Line password on your local BT Dialplus node.

Stop Press - On-line Entertainment have just announced that they are to add a new multi-player game, *Islands of Kesmai*, to their range. This game was previously only available via CompuServe in the USA.

OCEAN GET STEAMED UP



A-Train: let your brain take the strain. Sid Meier's classic comes to the Amiga.

Ocean have a stack of releases planned for the next few months, but their release dates are not yet definite. The first we're likely to see is *A-Train*, a Maxis game which combines elements of their *Sim City* with MicroProse's *Railroad Tycoon*.

But Ocean's hottest title looks set to be *Sleepwalker*. It's hot because Ocean have secured a tie-in with those humorous fundraisers Comic Relief, and they will be donating a chunk of the profits to next year's Red Nose Appeal. Stephen Fry and Lenny Henry are working on the game and preparing to host a nationwide competition for March '93.

Also planned is *Inferno* - the sequel to Ocean's hit flight sim, *Retaliator*. Under development by DID, it is due in the Spring. DID are also working on *Odyssey*, the sequel to *Epic*, and this time they're putting in some gameplay as well as pretty graphics. Perhaps that's why it's not expected until June.

Meanwhile, Ocean are busy securing film and TV rights for next year. They're currently designing games for *Lethal Weapon*, *Cool World*, a sequel to *The Addams Family* called *Scavenger Hunt*, and *WWF 2*, a new World Wrestling Foundation game.



Budget News

So you're saving all your money up for Christmas? Why bother - we're all going to be completely broke by then anyway. Forget any Ebenezer tendencies you might be trying to nurture and splash out a tenner on a budget game or two instead. At least you can keep on playing until they cut the power off! Here's what's cooking in the cheapy department:

Codemasters - 0926 814132

Crystal Kingdom Dizzy
- £19.99 (compilation)
Bignose the Caveman
- £7.99

Slicks - £TBA
Super All-Stars
- £24.99 (compilation)

Hit Squad - 061-832 6633

The Duel (Test Drive 2)
- £7.99
Pictionary - £7.99
Bart vs the Space Mutants
- £7.99
Terminator 2 - £7.99
Pit-Fighter - £7.99
Smash TV - £7.99
WWF Wrestlemania - £7.99
Hudson Hawk - £7.99

Kixx - 021-625 3366

Super Monaco GP - £9.99
Flimbo's Quest - £9.99
Carrier Command - £9.99

Zeppelin - 091-385 7755

Blade Warrior - £7.99
Frankenstein - £7.99
Graeme Souness Vector Soccer - £7.99
International Tennis - £7.99
Doc Croc's Excellent Adventures - £7.99
Neighbours - £7.99
International Truck Racing
- £7.99
Santa's Christmas Capers
- £7.99
International 5-a-side Football - £7.99

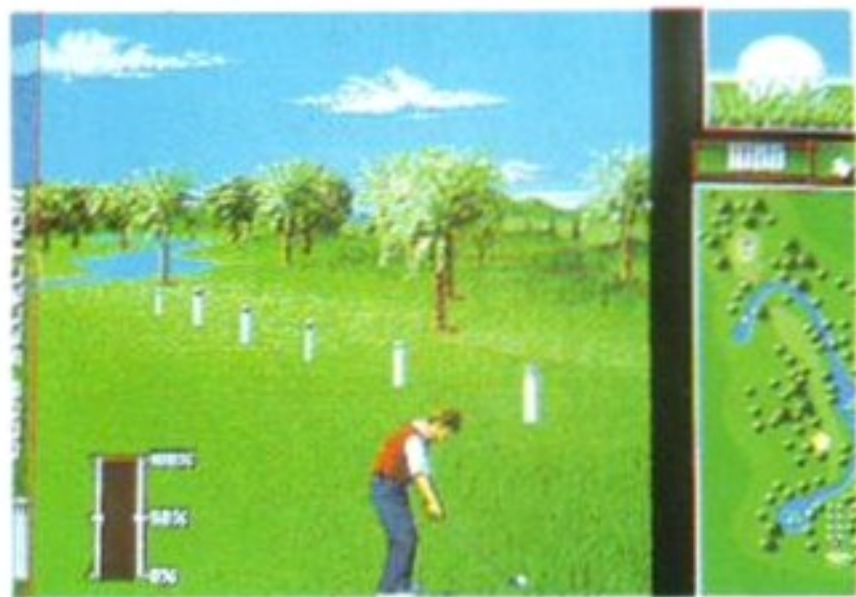


Will *Dominium* have that certain je ne sais quoi?

Microids

A tad too late for the Olympics, Microids announce *Super Sports Challenge*, a fairly typical joystick-wagging game which features sprinting, throwing, jumping and swimming events. It should be with us in a matter of days.

Microids are also working on a strategy war-game called *Dominium* which promises a wealth of *Battle Isles*-style head-to-head action with a neat sci-fi plot and some laughable French-to-English translations. Wait until November, and you might be in for a surprise.



Nick Faldo's offers personal tuition for beginners.

Grandslam

Nick Faldo's Championship Golf is due from Grandslam later this month. The programmers, Arc Developments, have looked at top-selling golf titles like *PGA Tour* and *Links*, to see where they can be improved. As a result *Nick Faldo's* has several features which make playing simpler, including a quick tuition round, where Faldo himself explains how to play.

Christmas Grandslam launches are *Myra The Legend*, a 150-level maze game, and *Realms of Darkness*, a 3D, isometric role-playing game with a distinctly *Populous* feel.



Get your reflexes ready for *Pinball Fantasies*.

21st Century Entertainment

The current favourite in the *Amiga Format* office is 21st Century's storming pinball game, *Pinball Dreams*, so we're pleased there's going to be a sequel – *Pinball Fantasies*. Developed by the same team, it features four even bigger tables with multiple flippers and hundreds of scoring options. It's due in the next few months and it's bound to be a belter.



The Chaos Engine: check out the demo!

Mindscape/Renegade

Mindscape are due to release Renegade's *The Chaos Engine* during November, and if the initial demos are anything to go by, it could be yet another Bitmap Brothers classic. It's a crazy idea, based on a Victorian machine which goes bonkers, disrupting the space/time continuum in true HG Wells fashion. Featuring two-player simultaneous gameplay and sampled speech and plenty of weird arcade action, *The Chaos Engine* is (sadly) destined only for one megabyte Amigas.

Remember the C64? Then you may remember the classic shoot-'em-up *Uridium*, by Andrew Braybrook. Renegade have managed to talk him into doing a sequel for the Amiga. *Uridium 2* should be winging into the shops just after Christmas.

Zeppelin

After releasing their first full-price game *Match of the Day* (reviewed on Page 107), Zeppelin are preparing their next one. *Sink or Swim* is a madcap *Lemmings*-style game where you have to prevent lots of little fluffy creatures from drowning. Look out for this one during November – it's sure to be a lot of fun.



Patriotic games abound with *Indy*.

US Gold

US Gold have secured the licence to the famous *Scrabble* board-game, which is just underway on the Amiga. They've also arranged to distribute two *Indiana Jones* games from LucasArts: *Indy and the Fate of Atlantis* (which uses the *Monkey Island* SCUMM system) and the *Indy Action* game (created by Birmingham developers ATD).

US Gold are also preparing to distribute *Crusaders of the Dark Savant*, the sequel to *Sir Tech's Bane of the Cosmic Forge*, and *Free DC*, a bizarre human-zoo game created by Kellyn Beck, the California Raisins animator.

Also in the pipeline is *Pirates of Realmspace*, a Spelljammer game boasting 50 hours of *Dungeons and Dragons* gameplay. But best of all is *Legends of Valour*, the first scrolling 3D role-playing game for the Amiga which makes *Dungeon Master* look archaic. See this month's Coverdisk for a demo of it.

Top 30 Amiga Full Price Games Chart

1 (1)	■ Sensible Soccer Renegade/Mindscape/Sensible Software	FG91%
2 (14)	▲ Civilization MicroProse	FG94%
3 (4)	▲ Monkey Island 2 US Gold/Lucasfilm	FG95%
4 (6)	▲ Formula One Grand Prix MicroProse	FG92%
5 (2)	▼ Espana The Games Ocean	43%
6 (13)	▲ Crazy Cars 3 Titus	FG93%
7 (5)	▼ Fire and Ice Renegade/Mindscape	89%
8 (-)	New Premiere Renegade/Mindscape	89%
9 (7)	▼ Lure of the Temptress Virgin/Revolution	FG92%
10 (17)	▲ Championship Manager Domark	41%
11 (9)	▼ Graham Taylor's Soccer Challenge Krisalis	82%
12 (22)	▲ Eye of the Beholder 2 US Gold/SSI	FG91%
13 (11)	▼ Striker Rage Software	FG93%
14 (18)	▲ The Manager US Gold/Software 2000	79%
15 (10)	Re-entry The Perfect General Ubisoft	82%
16 (12)	▼ Jaguar XJ220 Core Design	79%
17 (19)	▲ John Madden American Football Electronic Arts	FG94%
18 (14)	▼ Jimmy White's Whirlwind Snooker Virgin	FG91%
19 (10)	▼ Project X Team 17	75%
20 (-)	New Ashes of Empire Mirage	85%
21 (8)	▼ Epic Ocean	34%
22 (26)	▲ Easy AMOS Europress Software	92%
23 (-)	New Mega Sports US Gold	Compilation
24 (-)	New Pinball Dreams 21st Century Entertainment	84%
25 (25)	■ The Addams Family Ocean	78%
26 (16)	▼ PGA Tour+ Electronic Arts	Compilation
27 (-)	New BBC's Match of the Day Zeppelin Premier	56%
28 (-)	New Knights of the Sky Microprose	88%
29 (-)	New Mini Office Europress Software	84%
30 (-)	Re-entry European Football Championship Domark	Review next issue

**Tonight you could
become a Railroad Tycoon, shape a Civilization or
indulge in a little Piracy in the Caribbean**



Alternatively, you could grab an early night

With such voyages of fantasy at your fingertips, there's no reason to have a 'quiet night in' ever again. Devised by the guru of games design, Sid Meier, each adventure involves strategic role playing to stretch your imagination and sharpen your wits.

So you could be playing with the train set you always wanted,

surviving and thriving in the company of Genghis Khan or navigating a galleon around the Spanish main.

Are you really prepared to settle for anything less?

MICRO PROSE™
SIMULATION · SOFTWARE

Seriously Fun Software

**Railroad Tycoon, Civilization, Pirates! -
all Classic games from Europe's Number One Software Publisher**



**THE FIRST
COMPUTER CENTRE**

OPEN 7 DAYS A WEEK

OPEN MON - SAT 9.30AM-5.30PM
SUNDAY OPENING 11.00AM-3.00PM
THURSDAY NIGHT LATE... 9.30AM-7.30PM

**AUTHORISED DEALERS FOR STAR,
CITIZEN, COMMODORE, ACORN,
ROMBO & SUPRA**

FREE DELIVERY!

HOW TO ORDER

Order by telephone quoting your credit card number. If paying by cheque please make payable to **FIRST COMPUTER CENTRE**. In any correspondence please quote a contact phone number and post code. Allow 5 working days for cheque clearance

- All prices include VAT and Standard Delivery
- All hardware/computers are genuine UK spec.
- Free Fast Standard 4 to 7 day Delivery
- Guaranteed 2 to 3 day Delivery only £2.00
- Guaranteed Next Day Delivery only £4.50
- Open seven days a week for your convenience
- Overseas orders welcome

Technical & Sales 6 LINES

24 HOUR MAIL ORDER SERVICE!!

0532 319444

CUSTOMER CARE:

0532 637988

FAX: 0532 319191

**PLEASE ADDRESS ALL
CORRESPONDENCE TO:**

**DEPT. AF, UNIT 3
ARMLEY PARK COURT
OFF CECIL STREET
STANNINGLEY ROAD
LEEDS, LS12 2AE**

Prices are subject to change without notice. E&OE.



COMPUTERS

NEW LOW PRICES!!

AMIGA 600 & 600HD

Comes with Workbench 2.05 and mouse. a plus built in integral hard disk option.
2 Mb RAM add £37.99

No Hard Drive...only £269.99

20 Mb HD....only £426.99

***40 Mb HD.....only £499.99**

***60 Mb HD.....only £529.99**

***80 Mb HD.....only £559.99**

*Please note that only the 20Mb and No Hard drive version come with on site maintenance. Larger versions are covered by a full 12 month warranty.

AMIGA 600 bundles

The Epic pack

with Epic, Rome, Myth, & Trivial Pursuit, Dictionary, Language Lab & Deluxe Paint 3

only £39.99 (with A600)

The Wild, Weard & the Wicked

with Micro Prose Grand Prix, Deluxe Paint 3, Putty & Pushover

only £29.99 (with A600)

AMIGA 600 Deluxe

The Deluxe combines the normal Amiga 600 plus a fitted ROM sharer with 1.3 and 2.05 ROM's fitted making incompatibility a thing of the past.

A600 Deluxe only £339.99

or £379.99 for 2 Mb RAM

A600HD Deluxe only £509.99

or £549.99 for 2 Mb RAM

A600 HD UPGRADE KITS

20Mb.....£124.99

60Mb.....£229.99

80Mb.....£279.99

AMIGA 1500 Plus

With 2.04 Kickstart chip and Workbench 2.04 !!

only £499.99

AMIGA 1500 Plus

Business & Entertainment pack

With Deluxe Paint 3, Platinum Works (business package), Home Accounts, Puzznic, Elf, Toki, Amiga Format Tips book & Joystick. 12 months on site maintenance.

now only £549.99

AMIGA 1500 Deluxe

With our own Phoenix ROM sharer, 1.3&2.04 Kickstart ROM chip

only £559.99

AMIGA 3000 RANGE

25 Mhz with 52 Mb HD, 2Mb RAM...£1399.99

25Mhz with 105 Mb HD.....£1599.99

CDTV

Inc Hutchinsons Encyclopedia, Lemmings & Welcome CD disk, CDTV is a powerful media for both entertainment & education. Capable of handling up to 540 Mb of data. The CDTV is also a high quality audio CD player. Large range of CDTV discs all at discount prices

only £399.99 UK Spec

CD Rom Amiga A570

Turns your Amiga 500 into a CDTV. Plays normal CD discs also.

only £329.99

CDTV Trackerball

only £74.99

CDTV keyboard

only £49.99

PRINTERS

NEW LOW PRICES!!

All our printers are UK spec

All our printers inc ribbons and free std printer cable. All Citizen printers come with a 2 year guarantee. All printers have a full UK specification.



Star LC20.....£136.99

180 cps draft, 45 cps NLQ, quiet mode and multi fonts, push button operation.

New Star LC100 Colour...£179.99

8 resident fonts, 180cps draft/45cps NLQ, Quiet mode

Star LC200 colour..£195.99

9 pin colour, 8 fonts, 225 cps draft, 45 cps NLQ, A4 landscape printing.

New Star LC24-100.....£191.99

Star LC24-20.....£199.99

24 pin quality, 210 cps draft, 60 cps LQ, 16K buffer expandable to 48K, 10 fonts and LCD front display.

Star LC24-200 mono...£219.99

24 pin, 222 cps draft, 67 cps LQ, 10 fonts, A4 landscape. 7k buffer expandable to 39K

Star LC24-200 colour.£269.99

Colour version with 30K buffer expandable to 62K

Star XB24-200 colour....£379.99

Professional quality with On-site maintenance, very quiet.

Star SJ48 Bubble jet.....£214.99

Laser quality, ultra quiet, Epson compatible, portable in size.

Star Laserjet 4 MK3.£739.99

4 page laser, 1 years on site maintenance

Star LC20 Autosheet feeder.....£59.99

Star LC200 Autosheet feeder.....£62.99

Star LC24-20 Autosheet feeder...£64.99

Star LC24-200 Autosheet feeder.£64.99

Star SJ48 Autosheet feeder.....£52.99

Citizen Swift 9 Colour.....£183.99

Excellent value 9 pin colour. Highly recommended

NEW Swift 240 Colour....£279.99

24 pin, 240cps draft, 10 fonts, quiet mode, 240cps.

NEW Swift 200 Colour.....£224.99

Same out put as the 240 but with less facilities

Semi auto sheet feeder.....£29.99

Automatic Sheet feeder....£79.99

Canon BJI 0ex.....£229.99

Laser quality output. Larger buffer than the Star/SJ48 Canon/Star bubblejet cartridges.....£17.99

Canon BJ20.....£309.99

Built in auto sheet feeder and extra facilities than BJ10

Canon BJ300.....£379.99

Desktop bubble jet with laser quality

Canon BJ330.....£519.99

Wide carriage version of the BJ300

BJI 0ex Autosheetfeeder...£52.99

Hewlett Packard Printers

HP500 mono..now £334.99

HP 500 Colour.....£509.99

HP500 mono cartridges....£14.99

All HP printers come with a 3 year warranty

FIRST EXTRAS PACK

With the **FIRST EXTRAS** Pack you can make sure you have every thing you need when buying an Amiga. All the essentials required for the first time buyer and at a bargain price!!

- Comprises:**
- Top quality microswitched Powerplay Cruiser joystick
 - Mouse Mat
 - Dust Cover
 - 10 high quality Blank Disks
 - Plus £70.00 of software!!

only £29.99

RRP £95.00!!!

MONITORS

NEW LOW PRICES!!

All our monitors are UK spec. All monitors come complete with a free Amiga lead

WARNING: Before you purchase a monitor make sure it has a full UK specification. You might be buying what you think is a similar monitor at a lower price but it is likely to be a "GREY" import. These monitors do not comply with British safety standards and are not covered by an official warranty

PHILIPS CM8833 MK2

stereo colour monitor
Colour stereo monitor. 600*285 line resolution, green screen facility, one years on site maintenance.

now with Lotus Turbo Esprit
only £199.99 UK Spec.

Commodore 1084/5 SDI

Stereo Colour monitor
features .51 dot pitch resolution. Amiga cable included.

only £209.99

PHILIPS BRILLIANCE

SVGA Colour monitor
with overscan facility

The Brilliance monitor has a high quality Super VGA resolution. Includes overscan facility, .28 dot pitch and tilt/swivel stand. 12 months on site maintenance.

1500 VERSION £389.99

with Flicker Free Video card

A500 VERSION £489.99

GOLDSTAR REMOTE

control TV/monitor
superior to a standard TV set with full remote control

now only £179.99

COMMODORE 1960 multisync

only £436.99

SPECIAL OFFERS ON ACCESSORIES WHEN BOUGHT WITH A MONITOR!
TILT & SWIVEL STANDS.....£11.99
14" MONITOR COVERS.....£5.99

SUPRA MODEMS

NEW LOW PRICES!!

**The New super fast
Supra-Fax Modem
V.32 bis (14400 baud !!!)**

Allows you to send and receive fax messages. This new modem from Supra has full 14400 baud capability. Spec includes V.32bis, V.32, V.22bis, V.21, MNP2-5, V.42, V.42bis, Class 1 & 2 commands, 9600/14400 Group 3 Fax. Includes free comms software and modem cable

only £259.99!!!

**Supra Fax Plus
(up to 9600 BPS)**

With the ability to send faxes! Even faster than the standard 2400 from Supra with auto dial & auto receive. 9600 bps Hayes comp. V.22, V.42 Bis, MNP 2-5 & auto adjust to maximise transmission speeds. Includes free modem cable & comms s/w!!

now only £139.99

Supra 2400zi Plus

Internal version for the 1500/2000/3000 range. Similar to Supra Fax Plus but no Fax capability. Inc. free modem cable & A-talk 3 comms s/w

only £99.99

Supra 2400

Get on line using this great value fast modem with auto dial & receive. 2400 baud Hayes comp. V.22 BIS. Inc modem cable & comms s/w!!

only £79.99

GP FAX SOFTWARE only £29.99 if bought with modem
All Supra Modems come with a 5 year warranty!!

NEW!! VIDI AMIGA 12

Replacing the famous Complete Colour Solution, this new package from ROMBO is even better value!!!

The ultimate low cost colour digitiser. No filters or RGB splitter required. Colour images can be captured in less than a second, mono images are grabbed in real time. Fully compatible with any video source.

Includes multitasking software, cut & paste with masking, multiframe store with animated playback, composite or s-video input, 4096 HAM support and many more advanced features.

only £77.99 or £99.99

with built in
MEGA MIX MASTER!!
TAKE 2

This is latest animation package for the Amiga from Rombo. Features include load and save from D. Paint animations and IFF files. Supports HAM graphics.

only £39.99

MEGAMIX MASTER

This is a low cost 8 bit, high spec, sampler that plugs into your printer port. Special effects include echo that can be added in real time, fully multitasking and easy to use.

only £29.99

We recommend all ROMBO products

HARD DRIVES & ACCELERATORS

GVP HARD DRIVES & ACCELERATORS

AMIGA A500 HARD DRIVES

GVP Series II HD8+ 52Mb.....only £329.99

GVP Series II HD8+ 120Mb.....only £419.99

GVP Series II HD8+ 240Mb.....only £669.99

A500 GVP Combo's

A530 Combo 40MHz/52Mb HD.....only £649.99

A530 Combo 40MHz/120Mb HD.....only £759.99

A530 Combo 40MHz/240Mb HD.....only £989.99

68882 Co-Processor Kit for A530.....only £209.99

GVP memory RAM

8mb RAM card AMIGA 1500/2000 with 2mb.....only £149.99

32 bit 60ns 1Mb SIMM for Accelerator.....only £64.99

32 bit 60ns 4Mb SIMM for Accelerator.....only £179.99

1500/2000 Hard Drives

Impact Series II HC8+ Control card.....only £124.99

Impact Series II HC8+ with 52Mb HD.....only £269.99

Impact Series II HC8+ with 120Mb HD.....only £409.99

Impact Series II HC8+ with 240Mb HD.....only £639.99

Impact Series II HC8+ with 420Mb HD.....only £1039.99

1500/2000 G-FORCE ACCELERATORS

G-Force 030-25MHz with 1Mb 32 bit RAM.....only £549.99

G-Force 030-40MHz with 4Mb 32 bit RAM.....only £789.99

G-Force 030-50MHz with 4Mb 32 bit RAM.....only £1109.99

G-Force 040-28MHz with 2Mb 32 bit RAM for A3000

only £1499.99

Syquest 88Mb + Cartridge & HC8+

only £559.99

NEW!! All GVP products come with a full 2 year warranty

NEW IDE 500 TRUMP CARD

Similar to a GVP hard drive but accomodating any std IDE hard drive. 8 Mb of RAM available using standard SIMMS

only £129.99

without drive

or £299.99

with 44Mb Seagate HD fitted.

External PSU.....£37.99

THE POWER SCANNER

This scanner comes with the latest version 2 software. With bright and sharp grey scale performance and flexible scanned image display manipulation options. Options include Clean up, embolden, resize and flip. Recommended

only £94.99

Colour version only £229.99

MICE & TRACKERBALLS

NAKSHA MOUSE with Operation Stealth, mouse mat, holder and 2 year warranty, 290 DPI.

only £24.99

ROCTEC MOUSE High quality mouse for the Amiga. Fully micro-switched.

only £13.99

GENIOUS Happy mouse inc mouse mat. Same quality as the Naksha mouse.

only £19.99

GOLDEN IMAGE Brush mouse with Deluxe paint 3. New concept in mice. Held in a similar way to a pen.

only £24.99

Golden Image optical mouse.....£29.99

Zydec Trackerball.....£29.99

Golden Image Crystal Trackball...£36.99

DISK DRIVES

Roclite 3.5" super slim Roclite. Best review for disk drives in Amiga Format

only £57.99

Cumana 3.5" 1 meg external drive. The best name in disc drives now at a great price.

now only £52.99

GOLDEN IMAGE Tracker drive with built in LED track display

only £54.99

GENLOCKS

Rocgen with built in mode switch box & auto pass thru function.....**only 79.99**

Rocgen Plus includes dual control for overlay and keyhole effects, extra RGB pass thru.....**only £119.99**

ROCGEN ROCKEY

For creating special effects in video production with genlocks

only £269.99

SUPRA RAM

The ultimate Amiga A500 expansion. Take your A500 up to 9 Mb (10 Mb with the A500 Plus). Fits onto the side expansion port. Auto configures with no software patching.

Please note that when 256*4 ZIPS are used, the Supra RAM can only be populated to a maximum of 2 Mb. If you use this configuration and want to further increase your capacity you must replace the 256*4 ZIPS with 1 Mb by 4 ZIPS

8Mb pop to 1Mb.....£89.99

8Mb pop to 2 Mb (256*4 zips)....£114.99

8Mb pop to 2 Mb (1Mb*4 zips)....£139.99

8Mb pop to 4 Mb.....£194.99

8Mb pop to 8 Mb.....£299.99

8Mb pop to 2 Mb for 2000/1500 range.....£149.99

512K RAM EXPANSION

Top quality Cortex RAM expansions for the A500 complete with battery backed clock and on/off switch. This RAM expansion will not in any way invalidate your Amiga warranty!!

now only £22.99

EMULATORS

KCS Power board

Regarded as one of the best emulators on the market.

only £179.99

1500/2000 adaptor only £59.99 MS-DOS 4.01.....£15.00 extra

New Commodore 386-25

This is a PC 386-25SX Bridgeboard running at 25 MHz

only £439.99

The New GVP 16 Mhz PC-286

for use with the GVP Series II HD8+ or GVP A530 hard disc drives

only £239.99

VORTEX AT Once Plus 16Mhz

Now with 16Mhz speed.....only £214.99

A500 PLUS & A600 RAM BY PRIMA

Built for First Computers and supplied to Phoenix, these high quality RAM modules will take your A500 Plus or the new A600 (inc built in real time clock) up to 2 Mb of chip RAM without invalidating your warranty

Unpopulated.....only £16.99.£23.99

Populated to 512K.....only £26.99.£32.99

Populated to 1 Mb.....only £33.99.£39.99

NEW!!
LOW PRICES

NEW!!
A600 ROM SHARER

PRIMA ROM SHARERS

Because some older software will not run on the new 2.04 operating system First Computers launched the high quality PRIMA (as supplied to Phoenix) ROM sharer. Recognised as being the best on the market, this ROM sharer features a flexible ribbon connection so that it can be positioned anywhere within your A500 Plus or A600. Full 2 year replacement warranty

now only £19.99 or £27.99 for keyboard switchable version

DRAM & CUSTOM CHIPS

1 mb by 8/9 SIMMS.....£22.99 per Mb

4 Mb by 9 Simms.....£95.99 per 4 Mb

1 Mb by 4 DRAMS.....£POA per 4 Mb

1 Mb by 4 ZIPS.....only £38.99 per Mb

256 by 4 DRAM (DILs) ideal for A590 and others

4+ (512K).....now only £3.29

8+ (1Mb).....now only £3.09

16+ (2Mb).....now only £2.89

Kickstart 1.3.....£22.99

Kickstart 2.04.....£33.99

Fatter Agnes 8372A.....£30.99

Super Denise.....£21.99

6571-0326 Keyboard controller.....£9.99

CIA 8520A Disc controller.....£7.99

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

now only £19.99 or £27.99 for keyboard switchable version

SOFTWARE

WORD PROCESSING/DTP

PLATINUM WORKS & HOME ACCOUNTS

As recommended by Commodore it comes with Platinum Scribble wip, spell checker, thesaurus, Analyse (a Lotus 123 compatible spreadsheet with 3D graphics), a database, sideways printing utility & comes w

only £44.99!!

FINAL COPY latest version!!

From the writers of PenPal. Features include built in outline fonts for top quality output, full graphics import capability (IFF and HAM), thesaurus, spelling checker & detector, insert date, time, & page number, scale graphics to any size, crop graphics, multiple columns layout, magnified & reduced page view & much more.

Recommended now only £47.99

New! KINDWORDS V3

Very similar to Wordworth & getting to do with the terrible Kindwords 2. Produced by Digis & recommended.

only £36.99

PENPAL 1.4

Best selling feature packed word publisher with database.

only £53.99

PAGESTREAM 2.2 Powerful DTP package that we recommend and use.

only £126.99 Fonts pack £43.99

HotLinks.....£49.99

Pagesetter 2DTP.....£42.99

Pro Page professional V3 DTP.....£129.99

Protex 4.3 W/P.....now only £39.99

Wordworth 1.1 word publisher.....£72.99

VIDEO AND GRAPHICS

DIGI-VIEW GOLD MEDIA SYSTEM

Complete graphics presentation package. Complete with Digi-View Gold, Digi-Paint 3 & Elan Performer

now only £119.99

37 Compugraphic fonts Vol 1.....only £9.99 each

37 Compugraphic fonts Vol 2.....only £9.99 each

Amiga Vision.....now only £19.99

Ani Magic.....£69.99

Art Department Pro 2.1.....only £99.99

Deluxe Paint 2.....now only £4.99

Deluxe Paint 3.....now only £12.99

Deluxe Paint 4.....now only £57.99

EXPERT DRAW.....only £49.99

EXPERT 4DJR.....only £37.99

Flexidump printer utility.....£31.99

Imagine V2.....£189.99

Pixmate.....£39.99

Pro Video Plus.....£139.99

Scala 500.....£77.99

TAKE 2 animation by ROMBO.....£44.99

TURBO PRINT.....£49.99

TV Text Pro.....£83.99

Vista.....£29.99

Vista Pro 2 (2 Mb required).....£69.99

Walt Disney Animator.....£64.99

MUSIC/SOUND

Aegis Sonix.....£39.99

Audio Master version 4.....£39.99

Audio Engineer.....£169.99

Broadcast Titler 2.....only £149.99

Deluxe Music Construction Set.....£54.99

Music X JUNIOR midi music package

only £12.99 RRP £49.99

Sequencer One.....£49.99

PROGRAMMING

Amiga Logo programming for kids.....£19.99

Amos Creator.....£34.99

Amos Compiler.....£21.99

Amos 3D.....£25.99

DEVPAC 3.....£57.99

Easy AMOS.....£24.99

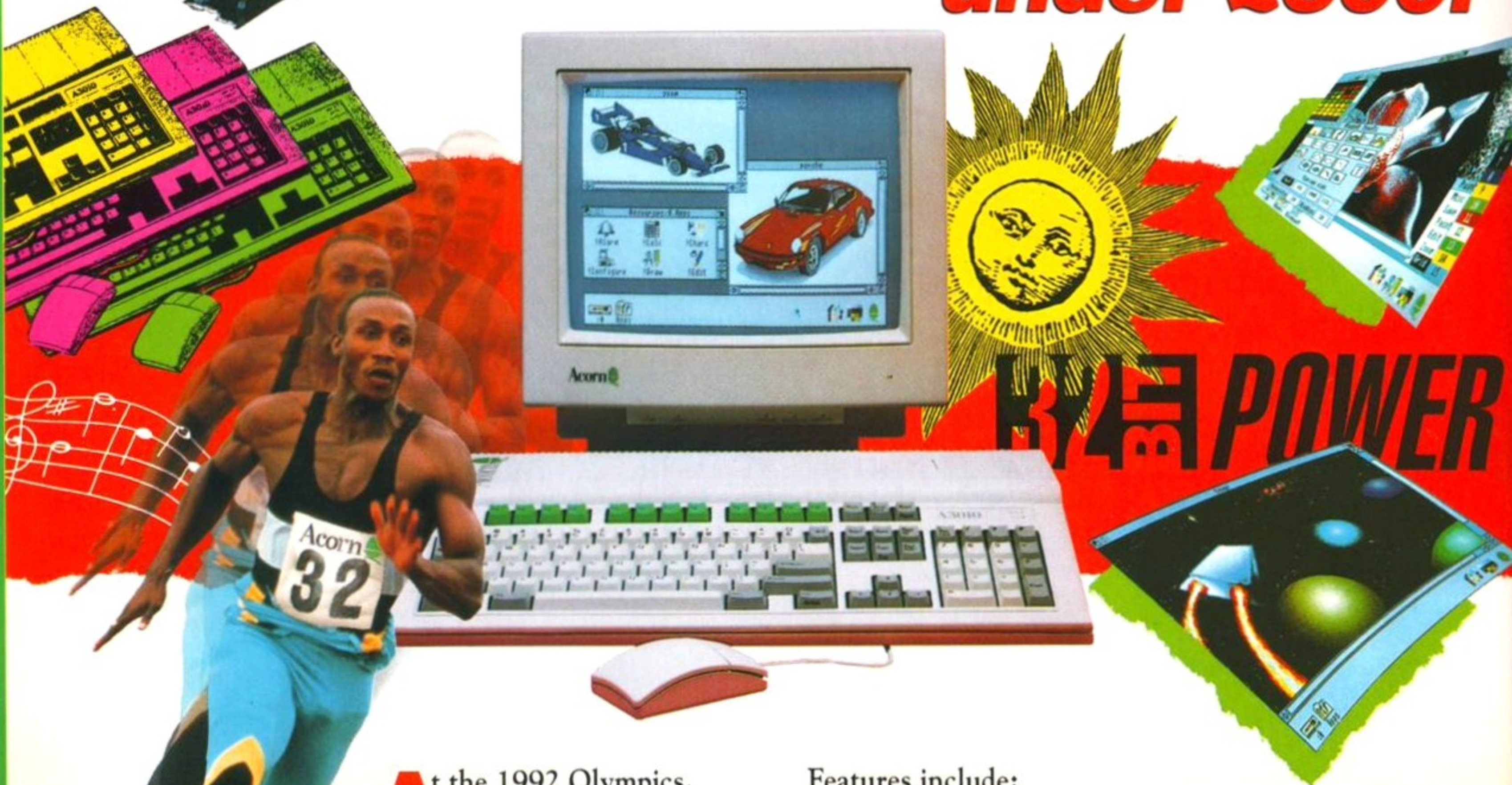
GFA BASIC 3.5 Interpreter.....only £19.99

HiSoft Basic.....£54.99

HiSoft Basic Extend.....£22.99

Lattice C Version 6.....£POA

First out of the blocks – 32-bit power from under £500!



At the 1992 Olympics, Britain's Linford Christie beat all comers in the 100 metres final, to win the gold medal in under 10 seconds. Acorn, too, has left its competitors standing by launching its new 32-bit computer range – starting from under £500.

The new computers, from a family learning and entertainment centre to the comprehensive home office, are awesome in speed, power and ease of use. Indeed, they are in a class of their own.

The Family Solution, at just £499 including VAT, has at its heart the Acorn A3010 32-bit RISC computer, offering a wide range of applications and software simply accessed via the system's multi-tasking windows and icons, in colour. With joystick support and hundreds of available games, family fun takes on a whole new dimension!

Features include:

- 1MByte of RAM (upgradeable to 2MBytes)
- *Paint, Draw, Edit* and music applications
- 3 Button Mouse
- TV Modulator – connect directly to your TV
- EasiWord – word-processor
- Quest For Gold – exciting athletics simulation

Post the coupon by FREEPOST or call us now on FREEFONE 0800 67 88 88 to see how you can harness the energy of Acorn's new 32-bit power generation.

**Acorn 32-bit computer range –
the new power generation.**

Send this coupon to: Acorn Computers Ltd, FREEPOST TK960, Brentford, Middlesex TW8 8BR.

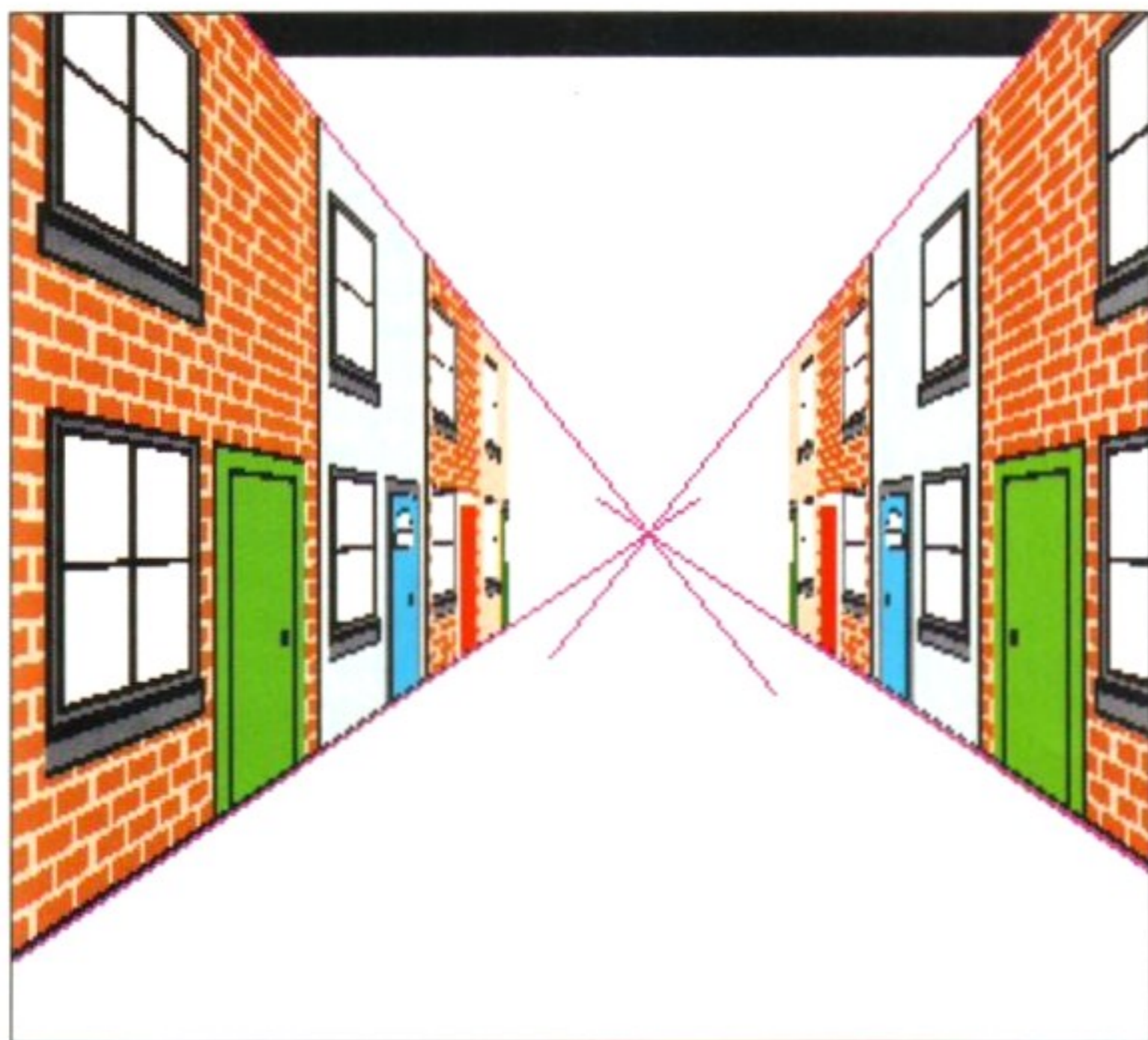
Name _____ FS-AF-11

Address _____

Postcode _____

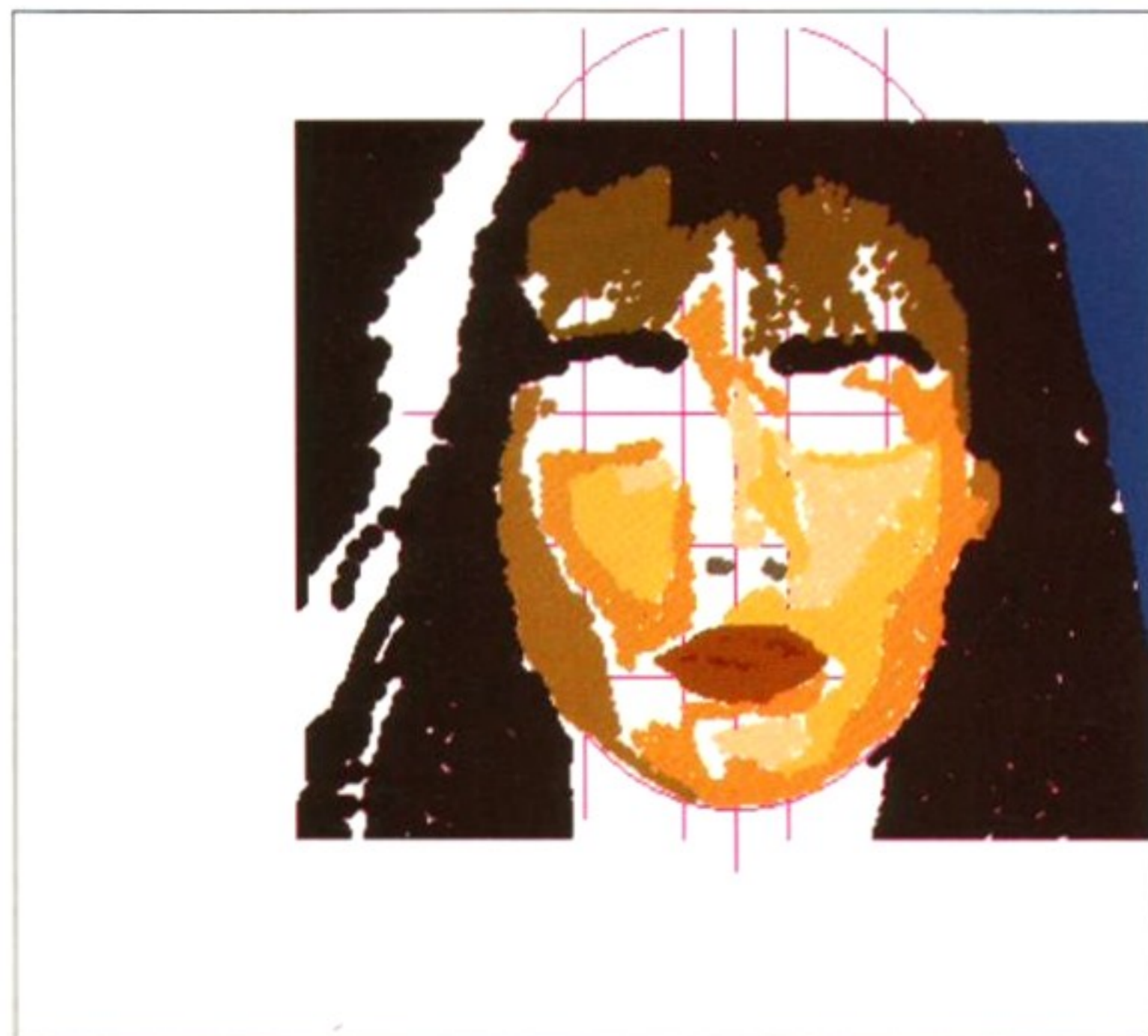
Tel: _____

Acorn



Getting the most from Deluxe Paint

Looking at the latest games with their flash graphics and superb artwork, you may well be inspired to actually try to create your own digital masterpieces. Fortunately, you have the tools right at your fingertips to achieve this, in the shape of Deluxe Paint III. However, you need to know how to use it to get the optimum results. **Andrew Nuttall**, **Asam Ahmad** and **Brian Larkman** get together with the best designers from Domark, Psygnosis and Bullfrog to open up the world of Deluxe Paint and give you some useful hints and helpful tips to enable even the most inexperienced novice pixel artist to get into the swing of things and start creating the Amiga equivalent of the Mona Lisa.



Getting into perspective

However much you read the manual and follow our range of hints and tips there is nothing like a bit of good ol' practice to learn how to use *Deluxe Paint III*.

To help you use the excellent features of *DPaint*, we've put together a couple of step-by-step tutorials which you can follow to create some great piccies. You don't have to follow them to the letter, of course – if you feel like doing a range of shops instead of houses, or drawing a man instead of a woman, then do it!

Right then, the first picture we're going to draw is a street scene. To do this, we're going to make use of many important features of *DPaint*, including brush fills and perspective.

Please note: This demonstration makes use of the Perspective feature of *DPaint III*, which relies heavily on the A500's keypad for operation, and hence some A600 users might not be able to complete the picture. However, Electronic Arts and Commodore have now solved this problem with a 'patch' that remaps the necessary keys, so if you have an A600 and an older version of *Deluxe Paint* then get in touch with them on 0753 549442.

Anyway, put your apron on, get your funny floppy hat out of the closet, load up *DPaint III* and begin...



The first thing we're going to do is draw one side of the street, as it would be viewed from the opposite side. Set the background to white by clicking the right button on palette colour white, and set the foreground colour to black by clicking the left button on black. Remember to remove the menu while you're drawing – press F10 to switch it on or off.

Draw the basic outline of a house using the line tool, then add some windows and doors. Don't add the roof or anything yet, just do the main front wall. Pick it all up as a brush by clicking on the brush icon and dragging the box around the house shape, then draw a few of them side by side. Here's one we prepared earlier...



Access the colour palette by pressing P, and create some bricks and mortar colours (making sure you leave black-and-white colours intact). Swap to the other drawing screen by pressing J, draw a brick pattern, and pick it up using the brush tool. Click the right mouse button on the fill icon to access the Fill Type menu, and click on 'From brush'. This creates a fill type using the selected brush pattern.

Swap to the original screen by pressing J again, and click the left button on the fill icon. Now click the left button on a wall of a house, and the whole front wall will be filled with the brick pattern! If you really want to make a version of Coronation Street then click on all of the walls. However, for this article

we've decided to use the bricks sparingly, and create a painted effect on the other houses. Switch back to ordinary brush mode by clicking the right button on Fill again, and selecting the Solid option.

And now, the part where *DPaint* comes into its own. Using the Perspective option from the menu, we are going to manipulate the image so that it looks '3D'.



Pick up the whole image as a brush, then clear the screen and go to 'Do Perspective' on the Effect menu. You should now use keys 4 and 5 on the keypad to rotate the brush about the vertical axis. Move the mouse around to size and position the brush as you rotate it. If you're not happy with the results, just press 6 on the keypad to return to zero rotation. When it's the right size, click the left button to position it.



Now that's done, draw two lines along each edge of the image in a colour that won't be used in the final drawing (eg magenta).

Pick up the whole caboodle as a brush again, then go to 'Flip Horiz' on the Brush menu. This will mirror your brush along the horizontal axis. Now move the brush around until all the magenta guidelines match up, then click the left mouse button. The point where all these guidelines cross is called the 'Vanishing Point', and is the part of the screen where all perspective lines cross.

Continued on Page 36

DESPITE ALL THE 24-bit 3D rendering and image-processing programs that have arrived recently, basic bitmap painting is by far the most popular form of graphics production. And *Deluxe Paint III* from Electronic Arts is the most widely used program.

Thirty-two-colour painting in lo-res is by no means ideal, but starting with these limitations means that you can concentrate your attention on learning the basics.

The skills you develop here are vital if you are going to move on to more sophisticated and complex HAM (Hold And Modify) and 24-bit 'true colour' paint programs. However often you use *Deluxe Paint*, there are always more tricks to be learned.

And, over the years, a range of tips and tricks have been developed by experienced users to get the most out of the system. We thought it was about time for us to share them with you: so here are the best of the bunch...

Because we've covered a wide range of tips, we've split them into three sections, *Beginners*, *Half-Decent* and *Advanced*. We have also created two special walk-through demonstrations of using the most important features of *Deluxe Paint*.

Beginners

BEFORE YOU START, SOME POINTS TO REMEMBER:

- Read the manual: if you never read any other manual, try to work your way through this one and do all of the tutorials. The *DPaint* manuals are particularly good for beginners. You will be amazed at what you learn and at how useful this knowledge will be as and when you come to use other paint programs, Amiga or otherwise.
- Use keyboard shortcuts: right from the start, familiarise yourself with the keyboard as well as the mouse. Use the keyboard equivalents (also known as 'shortcuts') as often as possible, and you will not only draw more quickly but you will find it easier to access some of the features.
- Save your work: make sure you have several blank formatted disks handy, and save your work frequently. There is nothing more frustrating than losing two hours of hard graft when you accidentally kick the off switch.



Venus, from the *DPaint* art disks, is a good example of a 32-colour lo-res picture.

- Use the Art disks: it's always best to start off with someone else's pictures, play around with them and modify them using all the tools available, just to get confidence.

GENERAL DRAWING TIPS

- Sketch the drawing first: if you're drawing a freehand picture, divide the screen into working areas, and use the Line or the Dotted Fill tools to sketch the main outlines of your picture in roughly.
- Guidelines: use a falsely bright colour for guidelines, and remove it later with Stencil (lock all the other colours and clear) or Fill (see below).
- Mouse buttons: remember that left button draws in foreground colour, right button draws in background colour.
- Use the magnify facility: never attempt to draw detail when in full-screen mode, as it's very easy to make a mistake.



This car, taken from the game *Lotus III*, is almost perfectly symmetrical about the vertical axis.

- Symmetry: if you can see horizontal or vertical symmetry in an object, just draw one half, pick it up as a brush, press x or y to flip the brush horizontally or vertically then paste it down next to the original. Also, try drawing the whole thing freehand and then choose the best half to flip.
- Freehand sketching: drawing with a mouse is a bit like drawing with a child's crayon, pretty crude. The Freehand tool is OK for rough sketches but if you want to make an accurate, controlled line use the Unfilled Polygon tool. A series of short straight lines can even make a good curve.
- Basic images: use the Regular Polygon tools to form the basics of complex images, using the sketch colour as above. For example, for a face use ellipses (squashed circles) to create the head, eyes, mouth, cheeks, ears and nose. Over this formal structure draw the actual form, then remove the guide lines.
- Straight lines: bitmapped images are composed of square dots and these always produce 'stepped' edges (also called 'jaggies') – so even a straight line at an angle can look jagged. Some angles can be much rougher than others so always look carefully at the lines as you draw them. A slight adjustment can sometimes make a great improvement.
- Use the full screen: you can toggle the menu on or off using the F10 key, thus making the screen significantly larger, but you would be surprised how many people don't. Alternatively, you can scroll around the full screen with the main menu switched on by using the cursor keys.
- Second drawing screen: *DPaint* has a second screen which is held in memory at all times, and is particularly useful as a 'doodle' screen where you can prepare brushes for use. Toggle between screens by using J.

- Get used to using the stencil: this is an extremely useful facility that enables you to 'lock' certain colours from the palette so that they can't be erased.

For instance, to change all red pixels on the screen to blue pixels, select 'Make Stencil' from the Effect menu, click on Clear, then select the red colour either by clicking on the palette or on the relevant point on your picture. Click on Invert to select all colours except red, then click on Make. Select blue as the background colour, then click on the clear icon. Magically, all the red will turn to blue. Remove the Stencil facility by pressing the apostrophe key.

COLOUR PALETTE

- Try not to change the palette too much at first: as you progress with digital painting you will find that getting the palette set up correctly for smooth gradients is the most complicated bit. To begin with try to always use the default palette. If you need more colours use Extra HalfBrite (EHB for short – lo-res with 64 colours) which is also good for drawing shadows.
 - If you have to change the palette, try to be organised. Keep similar colours together. The first two colours in the left row are the initial background and foreground – if you change these make sure they contrast or you won't be able to see the menu!
 - Optimise your palette: if you are in 32-colour mode, and you've only used 16 colours or less, you can tidy up your palette by accessing the 'Screen Format' option from the Picture menu, and changing to 16 colours. The program will take all the used colours and arrange them into the new palette, so if you go back to 32-colour mode you will find that there are at least 16 unused colours on the right hand side of the palette.
- This trick is particularly useful when creating a range of colours for use in the Blend and Shade options.

BRUSHES

- Copy and Cut: picking up areas of the screen is easy with the Brush Selector. Remember that left button copies the area and right button cuts it.
 - Object Recycling: when you have a large number of similar objects to produce – trees in a wood, faces in a crowd, stones in a wall – draw one and recycle it. A slight change of size or rotation can introduce enough imperfection to make quite different images; this effect can be further enhanced by flipping horizontally and/or by changing colours. With solid objects, however, remember to take light direction into consideration!
 - Gridlock: whenever you are working with a subject needing precise alignment remember to use the Gridlock. This also makes it easier to line up repeated patterns.
- For example, a building with many similar windows will retain its symmetry; drawers in furniture will line up, so will keys on a keyboard, rivets on a boat, or pictures in an exhibition. Hold down the SHIFT key to lock the cursor in one axis, making things easy when positioning items in a line.

Face to face

Even in computer painting, it is often necessary to be able to draw people. Most artists find the human body the most difficult and time consuming subject they draw. While the body is obviously made up of many parts, the most difficult part to draw is without a doubt the head.

For this demonstration, we are going to show how we drew the girl's face for this month's cover, but first we shall go over the basics of face and head drawing?

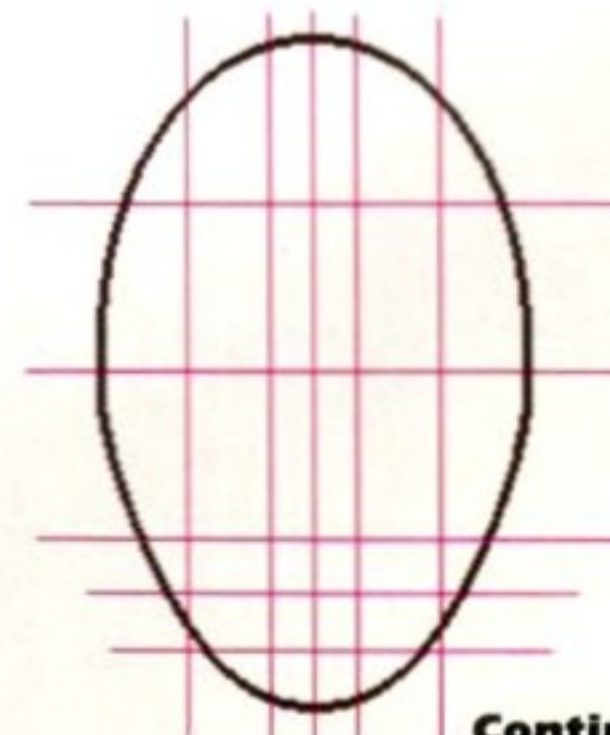
Right, think of an ordinary face. What is it made up of? Well skin, obviously, but the main features are two eyes, a nose and a mouth. Most children realise this, and so generally come up with something like this...



It's got the features all right, but it's not very convincing, is it? For a start, a real person's nose is a triangular shape, and their eyes are generally positioned just above the middle of their face. OK, let's have another go. First choose a dark shade to paint with (such as black), then draw an egg shape.



Now choose a wacky and way out colour like bright pink, then draw a vertical line down the middle of the oval shape. Divide the line into four equal parts, then divide the bottom section into three parts. Lastly, divide the middle horizontal line into five parts, and you should have something like this.



Continued on Page 37



DPainting with the pros

Who better to ask about getting the most out of DPaint than the people who use it to create games every day of the week...

Paul McLaughlin of Bullfrog

PAUL WAS A draftsman before he started at Bullfrog, and prior to this he had never even used DPaint. Now, though, after gaining loads of experience with the 'Frogs, he is bursting with advice for those who are still novices.

Paul believes that creating pictures is all about ideas: "Before I start a picture I formulate the concept in my head and I do some illustrations on paper before going near a computer." Paul explains the reason behind this thinking: "The idea is to experiment with your picture to see if it works using the palette you are restricted to (when transferring it to DPaint) which, with games graphics, is only 16 colours, because you have to allow for sprites.

"The next stage is to produce rough blocks of colour in proportion to your paper sketches on screen, filling in the areas of colour as you need and then tidying up the picture to see

**"I had never even used DPaint before I came to Bullfrog."
- Paul McLaughlin**

If you want to check the perspective and ellipses of a picture (the top pic for example) then flip it horizontally to make sure. It works for Paul every time.

The bottom picture shows a striking scene that was planned for Populous II. The whole picture is made from two colours: red and blue, with many tones of each for highlights.



how it translates on screen. The process of adding detail is a little premature at this stage, because the layout of the picture has to look right before you can start on the final stages. A good tip here is to horizontally flip the picture, and compare it with the paper version before finalising it to make sure all your perspectives, shapes and sizes look right. You can often find inaccuracies by this simple method of viewing the picture almost through a mirror."

Paul doesn't use a lot of functions on DPaint, because the computer, obviously, doesn't know what is aesthetically pleasing. "For example, the perspective function, good as it is, is a little too accurate and doesn't relay as much realism as a hand-drawn scene", at least in Paul's mind. Stencil, however, he reckons is "...one of the best tools on the package. Anybody who is seriously considering using DPaint must know how to pick up brushes leaving some colours behind, and also how to clean up images. It enables you to do what is impossible on paper."

For Bullfrog games, like *Populous*, Paul has to use a relatively standard palette, with warm shades of greys and greens. But when doing intro screens, and if there is enough memory, Paul uses up to 32 colours and builds up his palette using four or five basic colours with up to four additional shades of each.

This enables smoothing and makes it easier to pick out detail in your picture as Paul explains: "When choosing a palette, you normally know what tone the picture is going to take, so if it has a blue tone choose a few shades of blue, plus a complimentary colour such as orange, to pick out highlights and backlights in the picture. It is wise to have black in the palette, and leave as much of the palette blank when you start, and add tones as you need them. If you are hoping to go into the industry you'll find you will be restricted to 16-colour palettes most of the time, so try not painting in EHB or 32-colour screens."

Another useful tip Paul has to help you save memory, as well as making your picture more dramatic, is to use a lot of shadow and

high-contrast effects where images are literally pulled out from the background: "By leaving a lot of the picture black, and using dark shades graduating into highlights, you can produce some very vivid images which are very atmospheric. This way you can also get away with a low-colour palette, especially if you use an almost-mono approach to a screen, say black and blue, but with another complimentary colour to add extra highlights."

Does Paul sometimes get carried away with all the functions in DPaint? "Yes, I do get tempted to use all the features in every picture. But you can create a picture using dithered fills, perspective, the works, but it will show. The freehand and the brush tools are powerful enough and, for most instances they will be adequate for creating your image. Use the special functions sparingly, for small areas where necessary. When creating animations also remember that it is the changes in the picture that take up the memory, so don't try and move everything in every frame."

Have you any final tips that you've gleaned from your experience, professionally with DPaint? "Yes, don't be afraid to make lots of revisions to a picture. You will find that a lot of the time a picture will turn out crap using the effects you have used, so it is just a case of trying again. It is useful to start work on a picture by creating a background first and then adding objects on to the screen as needed. This way you can set the atmosphere of the picture which can help in later stages when drawing other parts in a similar style.

"Don't assume either that because a picture looks right to you that it is right. Get the opinion of someone else about how it looks, and whether it could be improved. You'll find that because you are used to looking at your picture, you might miss some detail."

Paul also has some time-saving advice: "All the major tools have got keyboard short cuts and, though there is an icon strip, it can be time consuming using your all the time, especially if you are doing some pixel-perfect editing." Thanks Paul.



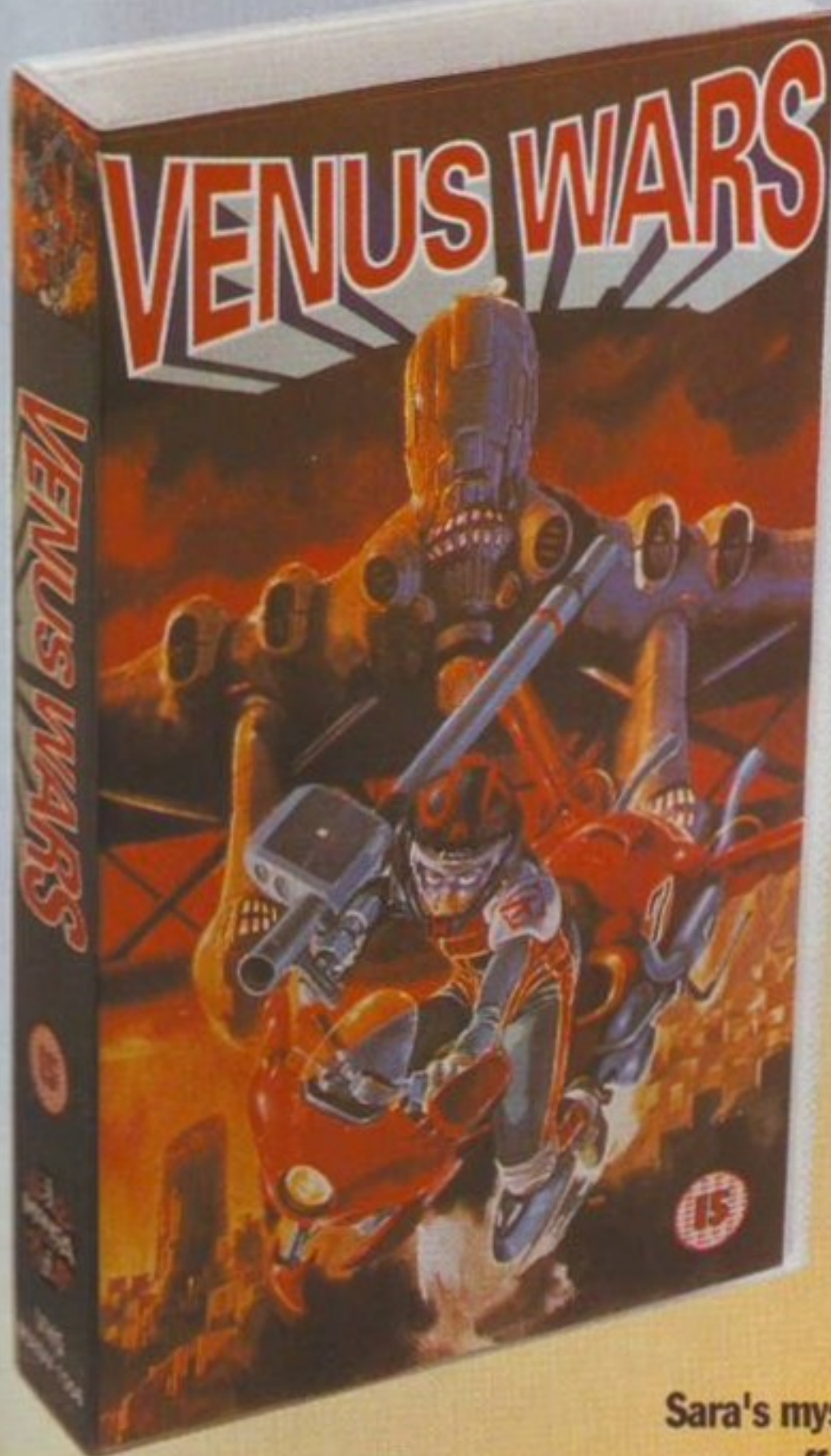
MORE MANGA MANIA

2089, Venus erupts with war. The planet has split into two opposing states, ISHTAR and APHRODIA. Shells explode and machine guns rattle as Ishtar tanks destroy IO the capital of Aphrodia. The city is becoming a prison camp, the streets are patrolled by tanks, a curfew is enforced and homes are stormed by the armed agents of Ishtar.



Enter the Killer Commandos - Hiro, Maggie, Miranda, Cathy and Will - a hard core, high tech monobike racing gang who recklessly decide to take on the Ishtar forces. Psyched up and armed they emerge from their hideout ready for battle.

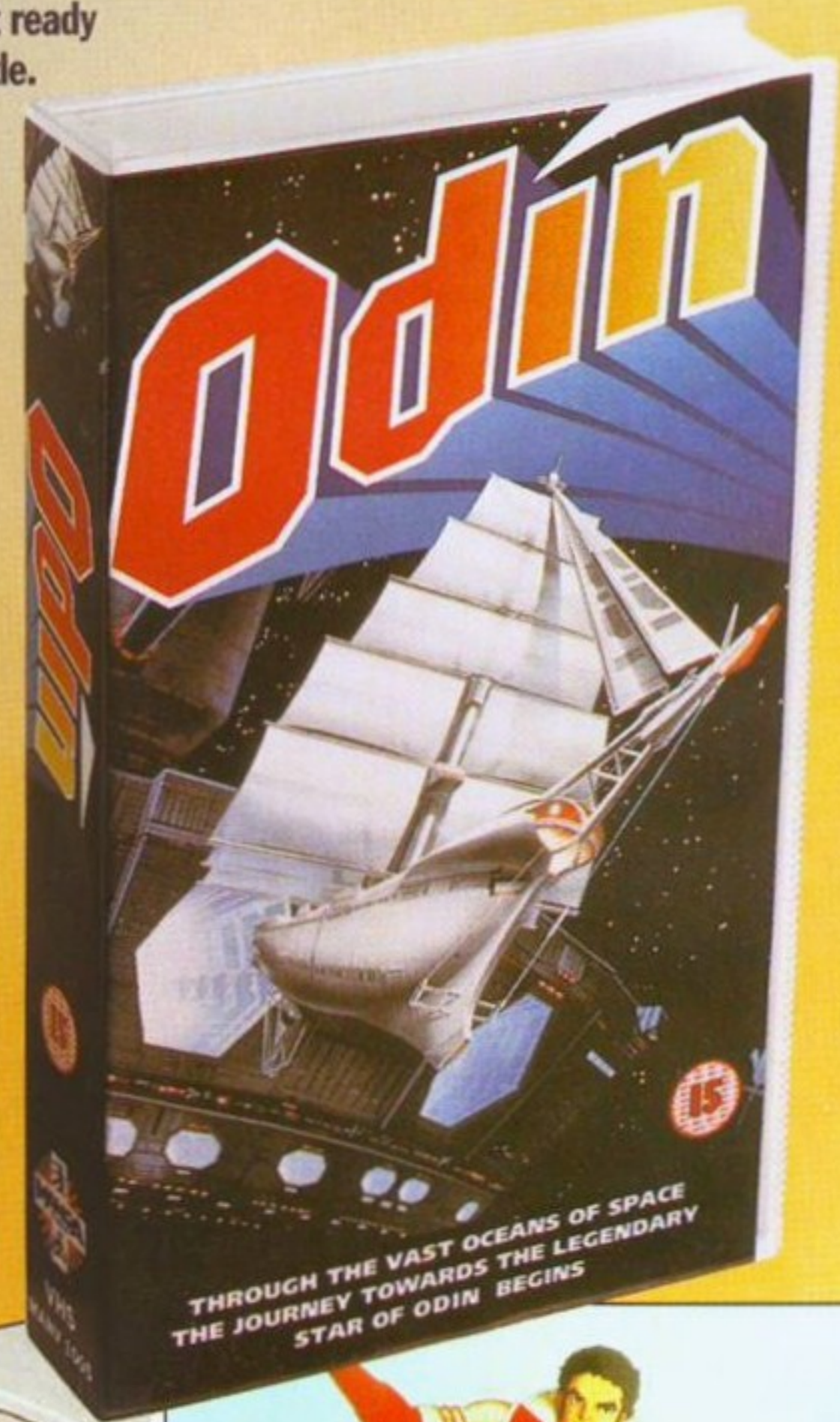
THROUGH THE VAST OCEANS OF SPACE THE JOURNEY TOWARDS THE LEGENDARY STAR OF ODIN BEGINS...



Find bravery, comradeship, frustration rivalry, uncertainty, love and death as events spiral towards a final breathtaking confrontation involving Ishtars, Aphrodians and our Heroic bike gang.

£12.99
SRP each

Earth's newest and most elegant photon starship is about to set sail on her maiden voyage when a mysterious SOS distress call sends the fledgling crew to save the Jupiter transit Alford. Arriving at the rescue destination, the starship finds the Alford demolished with no survivors except Sara, a beautiful clairvoyant girl found spinning through space in a life-pod.



Sara's mystic powers lead the crew off on a voyage through wormholes in space and into an alternative dimension in search of Odin, a mythological civilisation of great beauty.



DON'T MISS THE WAR OF THE 21st CENTURY!



"A towering neon nightmare to rival Blade Runner"
NME

An action-packed tale of a girl and her Tank, fighting the forces of futuristic terrorism.



Dominion Tank Police Acts III & IV, reveals all.

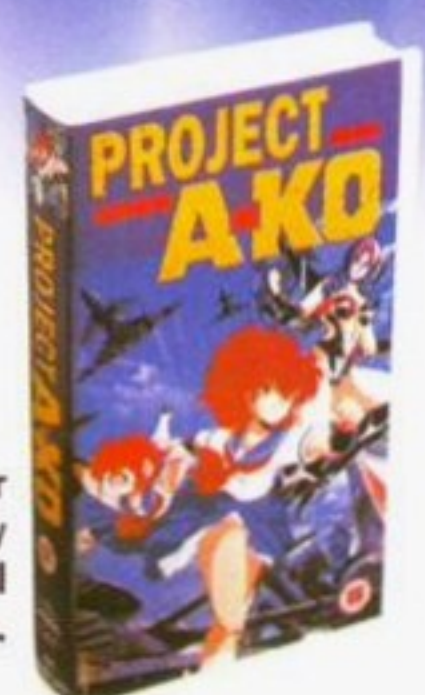


A Division of Island World Communications Ltd.



Fists fly, blood spurts, bones shatter and buildings crumble, in this action adventure to compare with the legendary Mad Max

B-ko battles A-ko for C-ko in this witty parody that will keep you in stitches.



MANGA TITLES ARE AVAILABLE AT HMV, VIRGIN, WH SMITH, FORBIDDEN PLANET AND ALL GOOD VIDEO AND COMIC SHOPS

FLY TO THE HOTTEST SKIES

IN THE MIDDLE EAST...



We've spent a year, ensuring that both "Desert Strike™" and "Road Rash™" come to you with all the enhanced graphics and sound quality that you've rightly come to expect from your Amiga.

The Middle East's looniest dictator is about to nuke anyone who stands in the way of his mad ambitions.

A desperate US President turns to you to undertake a covert mission piloting a heavily armed Apache helicopter. From a ³/₄ top-down perspective, you'll be taking off on 27 different missions including; rescuing MIA's, defending oilfields and taking out SCUD missile launchers.

...AND ALONG THE HOTTEST TARMAC

IN THE WILD WEST.



All a million miles from the uncontrolled mayhem of "Road Rash", a scorchingly fast biker race across America with no holds barred.

Punch, kick and club your way to the prize-money and upgrade your bike to an ever more frighteningly fast machine, like the terrifying Diablo 1000.

The other competitors are not the only danger as you

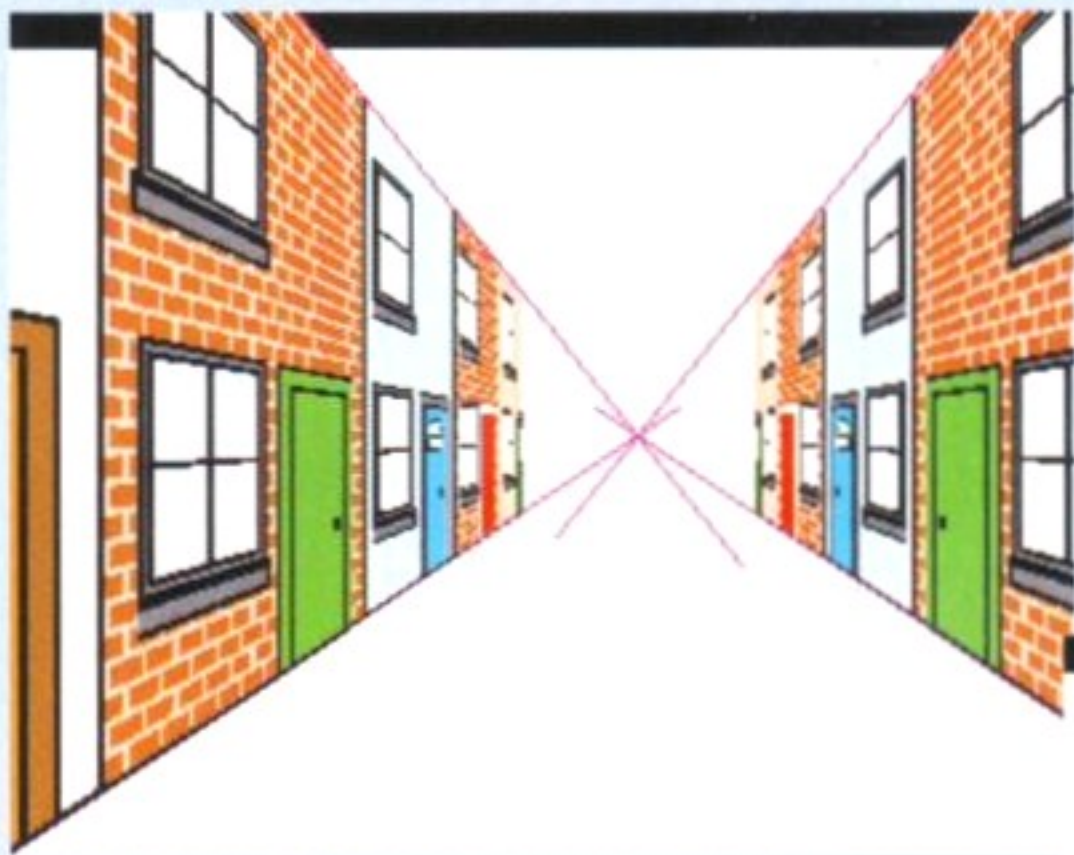
speed along five of America's most lethal highways. Hard-nosed cops, oncoming traffic, oil-slicks, even wandering cattle and deer.

Whether you yearn for the undying gratitude of the entire Western World or the grudging respect of Helldog the club wielding gypsy biker, these two fun-packed hits are at last yours.

Available on Amiga
and Sega™ Mega Drive™.

ELECTRONIC ARTS®

Electronic Arts, 90 Heron Drive, Langley, Berks SL3 8XP Tel: 0753 549442 Fax: 0753 546672.



Right, that's the main complicated bit out of the way, and the rest's pretty simple. All we've got to do now is add some detail, such as the road and the sky.

Draw the guidelines for the road first, by tracing two magenta lines from the vanishing point to the bottom of the screen. Remember to leave room for a pavement. Create a few new grey shades using the colour palette, then use them to create the road and the pavement.

Now draw lines in dark grey from the vanishing point along the pavements, and some staggered horizontal lines to form the pavement cracks.

Using the line option, draw a magenta line from the vanishing point to just above the tops of the houses so that you have a guideline for the rooftops, then fill the roofs in with black.



You will notice here that the top part of the menu has left a black patch behind when it was removed. This is a slight quirk of *DPaint*, but it's a mistake which is easily corrected.

Simply select the appropriate background colour (in this case white), select the Fill icon then fill in the offending area with the selected colour.

This 'glitch' doesn't happen too often, but it can be a pain when it does – so be careful.



Now we must get rid of the magenta guidelines. Although it isn't difficult to remove them using the magnify facility, it is very time consuming and can be achieved much more quickly. This is where the stencil facility comes into its own.

Access the Make Stencil option from the Effects menu, or hold down Shift and press the '~' (tilde) key. Click on Clear, then select magenta from the range. Click on 'Invert' and then 'Make', and this will effectively 'lock' all the colours in the range except for the magenta of the lines we want to lose.

Using a fairly large brush, select freehand mode and paint over all the areas of magenta with the required colour. For example, around the pavement area select a light grey colour, and select white for the sky areas. When you've finished, turn the stencil off by pressing the apostrophe key.



It is now safe to add in some detail for the street scene. Use the magnify option as much as possible, because you will find it much easier for detail when working at pixel level.

Don't go overboard! This is very important. Concentrate on tidying up what you've already drawn, and just add very simple details one at a time. That way you can always use Undo if you think you've gone too far. Also, don't use too many colours from the palette, as you will need between eight and twelve spare ones when drawing the sky. Optimise you palette if necessary – see the *Beginners* section of the main feature for more details.

From the pictures on the left you can see that we have added some details: windowsills beneath the windows using the different scales of grey which are available; some shadows for the frames and doors (this effect is also known as 'bas-relief' shading, and

is used very often to give a feeling of depth or to add a 'metallic' feel to an object); and a bit of detail near the vanishing point – just a bridge and a field for now.

Continued on Page 42

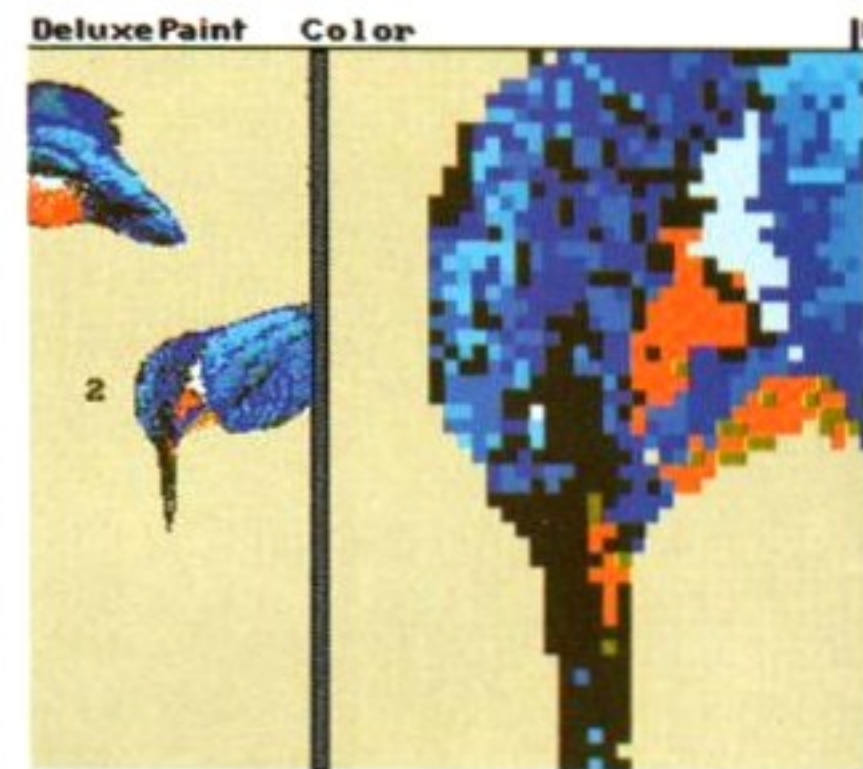
Half-Decent

- Tracing: the Unfilled Polygon tool and some non-Amiga cheating can be easily used to copy images from photographs or drawings onto the screen in perfect proportion.

1. Trace the original carefully using a permanent felt pen and some transparent material (an acetate 'cel' is best but cellophane packaging or Clingfilm is quite adequate.)
2. Stick the cel to the screen (it may stay put with static).
3. Copy behind the tracing using the Polygon tool for precision, or Freehand for speed. (The polygon tool also ensures no gaps.)

FILLING WITH COLOUR

- Save first: before progressing from outline drawing to solid image save your work. Filling is fraught with danger!
- Solid edges: a Flood Fill will find the slightest gap in your outline. Do a check fill first, remembering that Undo will remove it if it has leaked, provided you do not do anything else on screen. DON'T PANIC. If you get a leak just press the U key.
- Finding leaks: if you cannot find the gap, try filling with a gradient of colours. This is a slower flood and may show where the colour is escaping.



The Magnify option is a useful facility when painting in detail.

Using different

Right, so now you've practiced painting in low-resolution mode (lo-res = 256x320) using 32 colours, you may like to try using one of the other modes that the Amiga has to offer. Here's a run down of the ones available:

MEDIUM RESOLUTION

A medium resolution (Med-Res) screen has the same number of horizontal lines as a low resolution screen (256), but twice the number of vertical lines (640). Therefore the pixels are of the same height, but half the width. Only 16 colours are available on the screen in this mode.

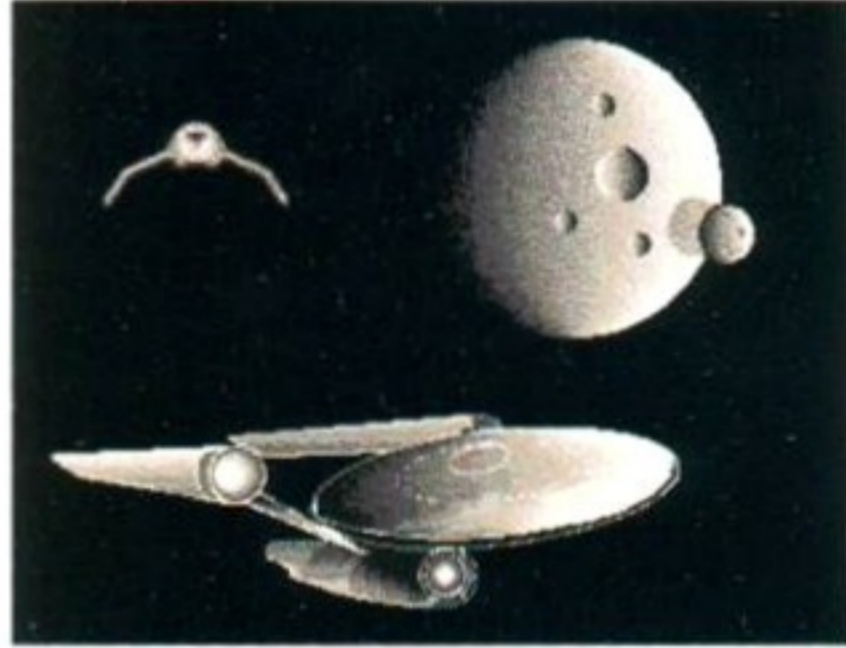
INTERLACE

This mode effectively doubles the number of horizontal lines on the screen to 256, but leaves the number of vertical lines at 320. Therefore the pixels are of the same width, but half the height. Like Lo-Res, up to 32 colours are available on the screen in this mode. Because Interlace uses a special

● Use magnify: the leak is still elusive eh? Press M for magnify then reduce the zoom to a minimum with the < key. Move the cursor around the outline in the normal size screen on the left. Pressing the N key will centre the magnified view on the cursor.

● Remove Isolated Pixels: made a mistake? Fill can also be used to remove a fill, provided that there are no pixels of the fill colour that you want to keep, as re-filling to the background colour will remove those as well.

However, this can be used to advantage. If you have lots of isolated pixels that need removing, save your work and then fill the background with the colour of the odd pixel, and then again with the background colour.



Use Gradient fills to achieve an airbrushed look for smooth surfaces, especially metallic ones.

● Gradient fills: the best way to get a smooth 'airbrushed' look is not with the Airbrush tool at all, but with a gradient fill. The reason that the Airbrush tool will let you down is that with only 32 colours, the palette will have to be set up very carefully.

● Surface Texture: varying the amount of dither can change how granular or rough a surface looks. In this way an object with the same colour range can be made to look rough or smooth, matt or shiny. More dither equals rougher, while less means smoother. More highlight means shiny, while less means matt.

● Highlights: for more sophisticated effects, the gradient can be changed to dark-light-dark, and the final, rotated brush can have highlights

and even backlight added with careful use of the airbrush.

● Indentation: in *DPaint III* the Palette dialog window (key shortcut P) has an arrow on the right side. Clicking here reverses the direction of the currently selected gradient. With practice this can be used to give a heavily eroded or indented effect. The classic example is of a cratered moon.

● Take advantage of imperfections: a Freehand object with gradient fill sometimes produces curious horizontal glitches that can spoil a smooth fill.

This annoying shortcoming can sometimes be put to good use because it gives extra shadowing to irregular surfaces. With practice and a suitable palette mountains, deserts, badlands, rough seas, rolling hills, glacial moraines and even leather textures can be produced.

● Light direction with *Deluxe Paint III*: light direction effects can be set in *DPaint III*, but with some effort. The technique is:

1. Produce a horizontal or vertical gradient.
2. Pick up a section as a brush.
3. Rotate it by, say, 45 degrees
4. Paste it down and pick up a square section from it.
5. Set Wrap in the Fill dialog window and draw a filled shape.

● Moving Palettes: in 32-colour mode, try to use the left 16 colours for objects and the right 16 for backgrounds. This keeps all your pictures standard, and so if objects are drawn in 4/8/16-colour mode and saved as brushes, they can be loaded into 32-colour pictures along with their palette. (The 'Use Brush Palette' on the Picture/ChangeColour menu only changes the first 4/8/16 colours).

● Perspective Rotation: the Rotation tool in the Brush menu can sometimes be very slow with a large brush.

A much faster and easier method is to go into perspective mode (by pressing the keypad Enter key - if you have one!) and use the keypad keys 1 & 2 to rotate the brush around the z axis, then paste it down.

works in 32-colour modes (Lo-Res and Interlace), and therefore the maximum number of colours available in either of these two modes is 64. Enter Extra Halfbrite mode by first selecting Lo-Res or Interlace, then setting the number of colours to 64.

HOLD AND MODIFY (HAM)

HAM mode is a function that uses a special technique to effectively display all 4,096 colours on the screen at any one time. It works by taking the colour value of one pixel, and modifying one of its red, green or blue components to display the colour of the next pixel.

Because it uses this technique it is not possible to display all colours in all areas of the screen. It is not possible, for instance, to display a black pixel and a white pixel next to one another; instead at least two pixels must be used to separate them. This means that on HAM screens an effect known as 'fringing' is common, this is where pixels are used to separate two different colours.

The HAM function can only be activated when using Lo-Res or Interlace modes.

resolutions

technique to display twice the normal number of horizontal lines (effectively it meshes two screen images to form a single interlaced image), a flicker is noticeable on the screen - this can be cured by using an expensive multi-sync monitor and an add-on called a Flicker Fixer.

HIGH RESOLUTION

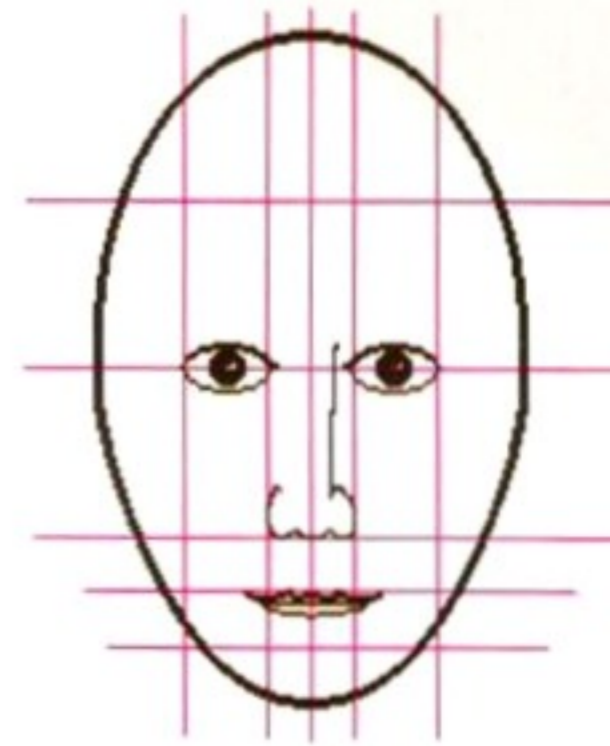
A high resolution (Hi-Res) screen has twice the number of horizontal lines as a Lo-Res screen (512) and twice the number of vertical lines (640), so the pixels are the same shape in both modes.

Like Med-Res, only 16 colours are available. As Hi-Res mode uses interlaced pixels in a similar way to Interlace mode a flicker occurs on the screen, especially when contrasting colours are next to each other.

EXTRA HALFBRITE

Extra Halfbrite is a special function of the Amiga which doubles the number of colours available on the screen. It only

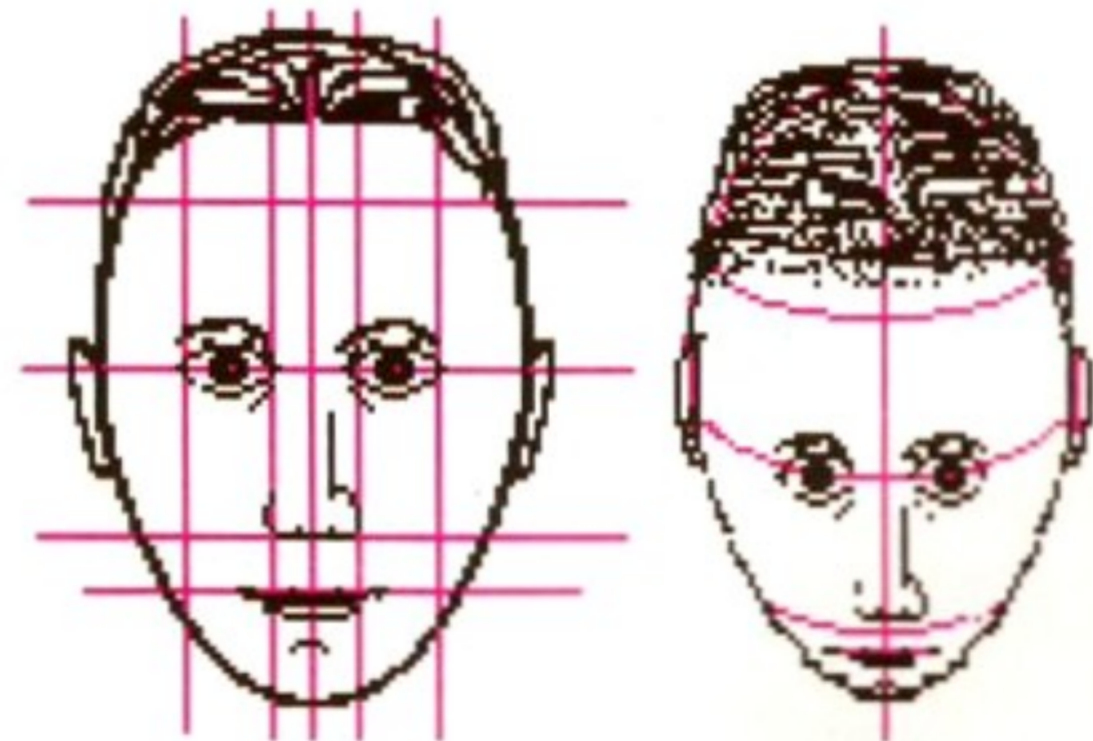
Now draw some features on the face in the rectangles you have just made, like so.



Immediately the face springs to life, even with the most basic features. Getting slightly more complicated, we should now add in some more bits - eyebrows, eyelids, ears and hair



Now we're really getting somewhere. Moving the head around so that it can be viewed from another direction is easy. To view from slightly above, draw the original ellipse again, and make it the same width but slightly shorter. Now draw the basic guidelines in again, but this time instead of lines use ellipses - these make up



the outline of the face. Pick up the features one by one as brushes, rotate them downwards using Perspective, then paste them down on the face using the ellipses as guides.

As an experiment try creating some expressions for the face, such as a smile or a frown. You'll be surprised how easy it is.

We are now armed with the basic knowledge of face drawing. Like any skill, practice makes perfect. Keep drawing the faces, adding in more and more detail as you go along. Try to make each one different - for instance, draw an old man with glasses, or a young baby - and remember, the same principles apply to all types of face.

Continued on Page 43

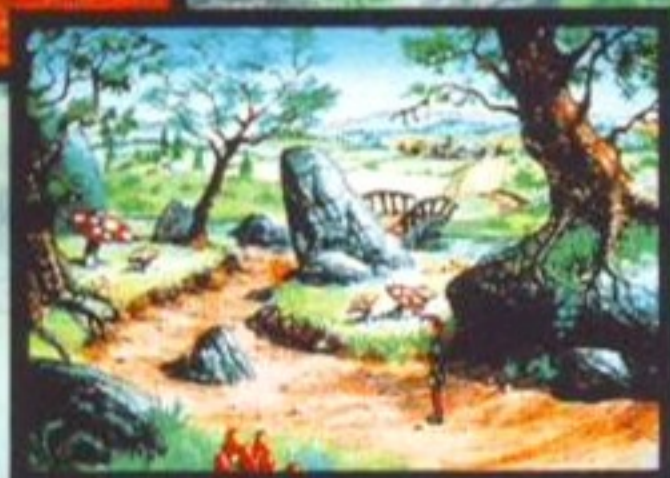
Curse of ENCHANTIA



Sucked into the cursed land of Enchantia, Brad finds himself chained and manacled inside a castle's dungeon. He escapes from the castle via a subterranean cave system and meets fortune tellers, magicians, dragons, elephant seals, fire demons plus many other colourful characters both friendly and otherwise!

Travel with Brad to the Valley of the Lost, the Ice Palace and the Graveyard in his quest to ensure his safe passage home.

Curse of Enchantia is available on Commodore Amiga 1 meg only) and IBM PC compatibles.



Screen shots from various formats.

CORE
DESIGN LIMITED



Tradewinds House, 69/71A Ashbourne Road, Derby, DE22 3FS. Telephone (0332) 297797. Facsimile (0332) 381511



THE DOMARK LADS are a bunch of raving dudes in reality, but between them they have some useful tips for the budding *DPaint* artist. A lot of their tips are basic common sense, and many are actually in the manual, it is just a case of finding them. Domark's devastating designers can save you time, however, with their short and informative tips...

"When creating your picture, don't be tempted to use lots of tools. Using the spray can, for example, tends to give a computery effect to your picture that lacks realism. It is often better to dither and shade things by hand, especially if there are areas of high contrast, because this gives a more realistic view of the picture. It also allows you to convey part of your own style in your picture.

"When we consider what colours we want to use, we like to have a palette with lots of contrasting colours with a couple of extra shades of each colour to draw with. In this way it is possible to create striking pictures with high contrast that literally stand out.

"Starting your picture can be difficult. We basically draw the image in an outline form before putting any colour on the screen. Once this is done and we're happy with the shape, it is time to add broad blocks of colour in large areas rather like on a canvas, and then add detail to the picture as it's required. It is also a good idea to try and give your pictures as much action as possible, ie as much realism, as if they were still-pictures of a real-life event. This helps to give the pictures a sense of depth. It is a good idea to give your pictures some real-life perspective with some different levels to the picture.

"Another good tip that everybody doing computer art should use, is always use anti-aliasing. This can be difficult if you are restricted palette-wise, but one extra shade of each colour is sufficient to produce a smoother display than would normally be visible.

"The main point about anti-aliasing is to compensate for the low resolution of the screen and hence to smooth out the pixel transitions. It is often better not to use Smooth, as its effects are sometimes a little strange;

producing a mottled effect, so the hand-drawn effects are usually better. When considering palettes in this case, it is wise to keep your shades of certain colours together, so it is easy to use anti-aliasing and the Range tool to pick out highlights using the shade tools when working in detail on colourful objects.

"An obvious method, yet often forgotten, to help you copy pictures is to produce a grid on transparent paper and literally copy out areas in blocks on to a simulated grid on your computer screen block by block. As all the blocks are drawn, it is easy to gel the picture together and also get everything in the correct proportions to everything else in the picture.

"Another very important and obvious tip is to always make a backup of your picture as you create it. You might find, however, if you are experimenting with different techniques for various effects, it can be tedious and time-consuming to keep making backups. So a short cut here is to use your spare screen by pressing 'Shift' and the 'J' key, but, if this is already being used, you can keep a backup in memory by simply adding a frame to your picture. Effectively this creates an animation of your changes in frames, and if you are unhappy with an effect, you can delete the current frame and revert to your original.

"When producing animations, if you want to create a smooth path for a brush to travel along, before you start painting press and hold the left 'Amiga' key as you move your mouse [keep the left button pressed] and *DPaint* will transform your motions into an animated sequence. This is an easy way to produce animations with complex brush motions. It also works on functions other than the freehand tool, so you can create an object travelling in a perfect circle by simply pressing the left Amiga key again, before painting.

"Normally it's difficult to create objects travelling in strict geometric shapes, but this provides an easy solution. The only drawback is if you have 'continuous draw' on, there will be one frame for every pixel moved, so your animations can be a little slow. To get round this, set drawing to every nth dot at five or so.



DPainting with the pros

These guys have created stunning-looking games like *Shadowlands* and *Riders of Rohan*. So, just how do they do it?

Jolyon Myers and Alan Tomkins of Domark

The 'art' people at Domark. One could call them normal, but then again we are talking 'artists'.



This is what can be done with few colours, but with lots of shades. The spaceship has a sepia effect, and the blue/purple graduation helps to highlight areas.

Computer art can be very restrictive, especially with the low resolution and the lack of colours you have to work with. Getting across detail in an image using pixels is an art form in itself.

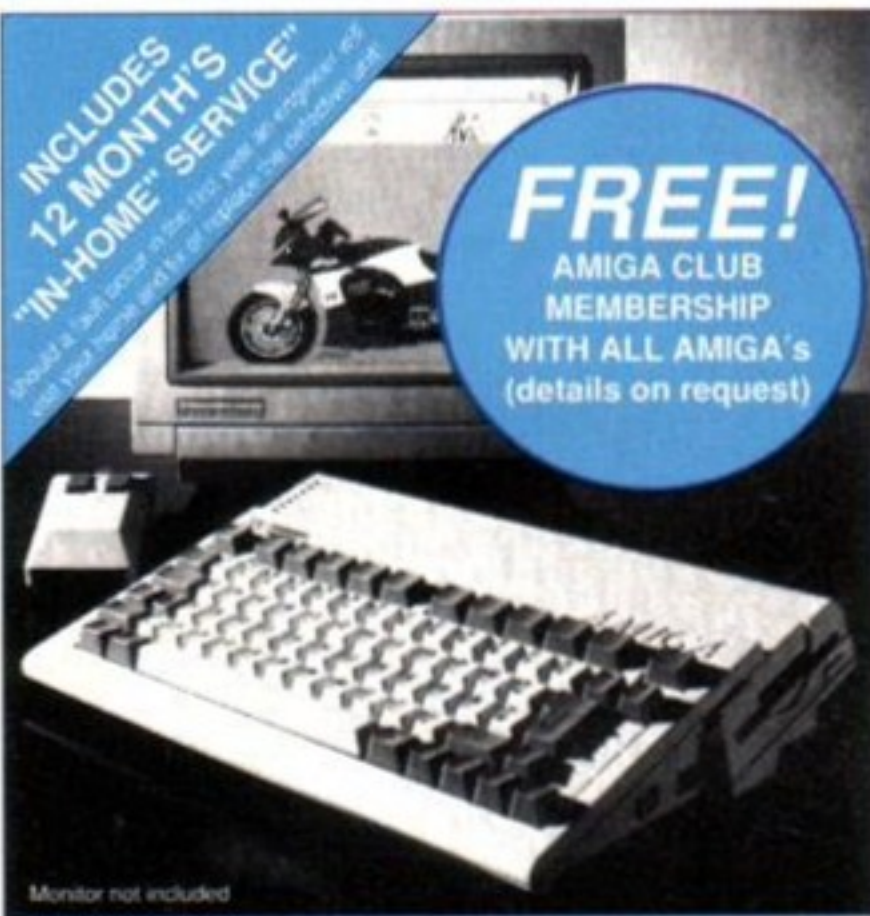
"There are a few simple tips to consider when creating your picture that can be useful, especially if you work with variables in mind. It is a good idea to decide exactly where your light source is before you start drawing, and keep this clear in your mind to help you produce a consistent picture.

A good way to visualise your picture is to do a small-scale picture on the screen first, in full proportion, which is often easier at small sizes, and then enlarge it to the full screen. This way you can quickly draw the basics of an object and add detail. This is not a way to draw however, just a way to experiment with proportions and layout." Cheers Domark. Turn to Page 41 for Psygnosis' hints and tips.



LOOK NO FURTHER FOR AMIGA SUPERDEALS!

Commodore AMIGA 600



INCLUDES 12 MONTH'S "IN-HOME" SERVICE**

FREE!
AMIGA CLUB MEMBERSHIP WITH ALL AMIGA's (details on request)

- New slimline design
- Built-in 1Mb 3.5" disk drive
- Connects to your TV with the built-in TV modulator
- Massive 1Mb RAM (expandable to 10Mb)
- Amazing 4096 colour graphics
- Superb 4 channel digital stereo sound
- Speech synthesis
- Multi-tasking capability
- Mounting space for industry standard 2.5" IDE hard disk drive
- Smartcard slot for future memory expansion & game cartridges
- Workbench & Kickstart 2.0 disks & manuals supplied
- Mouse included along with all connecting cables, PSU & plug

AMIGA 600 FD £279.⁹⁹
includes free Deluxe Paint III art package, with animation, worth £79.99 and a free game worth £24.99!

AMIGA 600 HD £459.⁹⁹
includes fitted 20Mb hard disk drive, as well as floppy drive, but does not include Deluxe Paint or game

AMIGA 600 OPTIONS

1Mb RAM Upgrade with real time clock	£47.95
1Mb RAM Upgrade only	£42.95
40Mb Hard Drive, fits into the IDE slot on the 600	£259.95
80Mb Hard Drive, fits into the IDE slot on the 600	£319.95

AMIGA STARTER PACK! ONLY £29.99!

- Mouse mat
- Dust cover
- 10 blank disks
- Disk box
- Top quality joystick
- AND 3 top Amiga games!

PRINTERS

StarJet SJ48

A compact, bubblejet printer using the same mechanicals as the popular Canon BJ-10, giving you laser print quality at a fraction of the price!

- 64 Nozzle ink jet
- Massive 28K RAM buffer
- Emulates EpsonLQ/IBM
- Portable with optional Ni-Cad battery pack
- 360 x 360 dpi graphics
- AC power supply included
- Sharp, laser quality print
- Amiga interface lead included free!



StarJet SJ-48 Bubblejet Printer £219.95
New ink cartridge also fits Canon BJ-10, Apple Stylewriter £14.95

Optional automatic sheet feeder £52.95 **Optional Ni-Cad battery** £37.95

Star LC200 9 pin colour £189.95

- 80 Column dot matrix, 185cps draft/40cps NLQ
- 240 x 240 dpi colour & mono graphics
- 16K Buffer, 8 resident fonts, front panel control
- Push & pull tractor with rear & bottom feed
- Paper parking with auto single sheet loading
- Colour & mono ribbons included
- Amiga interface lead supplied free!

LC200 mono ribbon	one £5.95	six £32.95
LC200 colour ribbon	one £11.95	six £66.95
LC200 optional auto sheet feeder	£72.95	

Star LC24-200 24 pin colour £269.95

- 80 Column dot matrix, 220cps draft/55cps NLQ
- 360 x 360 dpi colour & mono graphics
- 30K Buffer, 10 resident fonts, front panel control
- Push & pull tractor with rear & bottom feed
- Paper parking with auto single sheet loading
- Colour & mono ribbons included
- Amiga interface lead supplied free!

LC24-200 mono ribbon	one £7.95	six £44.95
LC24-200 colour ribbon	one £13.95	six £72.95
LC24-200 optional auto sheet feeder	£72.95	

Star Laser Printer 4 StarScript Laser 4

- 4 pages per minute with fast RISC processor
- 1Mb RAM memory expandable to 5Mb
- 14 resident text/scalable fonts
- Resolution enhancement with 600x300 dpi fonts!
- Parallel/serial ports with auto select, cable included
- HP series III compatible
- Accepts HP font cartridges
- 1 yr on-site warranty

£749.⁹⁹

- 4 pages per minute with fast RISC processor
- 2Mb RAM memory expandable to 5Mb
- Postscript page generation, a DTP user's dream!
- Resolution enhancement with 600x300 dpi fonts!
- Parallel/serial ports with auto select, cable included
- HP series III compatible
- Accepts HP font cartridges
- 1 yr on-site warranty

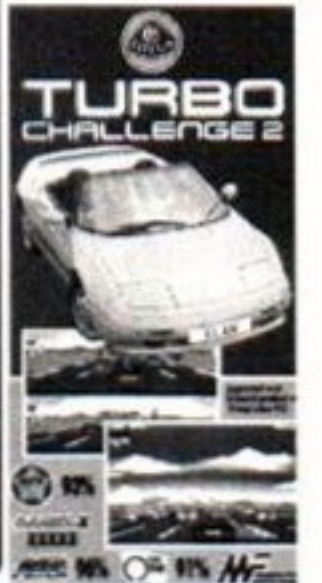
£989.⁹⁹

PHILIPS 8833 MKII Stereo Colour Monitor

- 14" colour monitor
- Stereo sound, ideal for Amiga
- High resolution 600x285 pixels
- .42mm dot pitch
- Dark glass screen
- Green screen switch to simulate a mono display, ideal for W/P etc
- Both TTL-digital & RGB analogue inputs
- Composite video input
- Stereo earphone socket
- Volume, brightness & contrast controls
- Horizontal screen position control
- UK model with 12 months on-site warranty
- Compatible with all Amiga's, free cable supplied



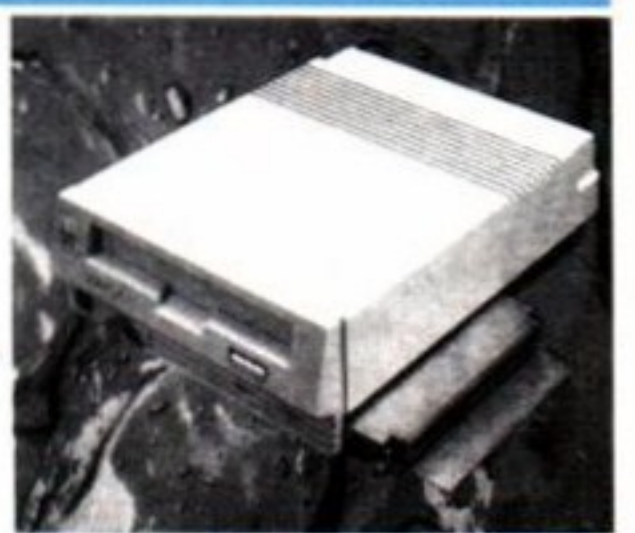
+ FREE!



PHILIPS 8833 MKII MONITOR + LOTUS TURBO CHALLENGE 2 GAME + AMIGA CABLE £199.⁹⁹

A570 CDTV-ROM DRIVE, HERE AT LAST!

- Compatible with Amiga 500 and Amiga 500 Plus
- 1 megabyte RAM and Kickstart 1.3 or 2.0 required
- Plugs into the expansion port on the side of the A500
- 500 megabyte+ capacity on each compact disk!
- Plays CDTV disks on your Amiga, currently 90+ available covering education, productivity, music, entertainment, another 50 promised before Christmas
- Will also play regular audio CD's and CD+G graphic CD's that display graphics and the lyrics to the songs, on your TV or monitor, as the song's are playing
- Includes free compact disk containing over 600 Amiga programs!
- Amiga 600 version due out soon



A570 CDTV-ROM DRIVE + FREE CD DISK WITH 600 AMIGA PROGRAMS! £329.⁹⁹

GVP SERIES II HD8 Hard Drives for A500



- Compatible with all Amiga 500's, inc. the A500 PLUS
- Plugs into expansion slot on the left hand side of A500
- Quantum drive mechanisms with ultra fast 11ms access times
- Transfer rate of 1100K per second!
- Loads programs and data up to 10 times faster than floppies!
- Can also expand your Amiga by up to 8Mb
- Autoboot's on all Amiga 500's with enable/disable switch facility
- External SCSI port for connection of up to another 6 devices
- Colour & style co-ordinated to the Amiga
- Dedicated power supply
- Built-in fan
- 2 year warranty

	with NO RAM	with 2Mb RAM	with 4Mb RAM	with 8Mb RAM
GVP series II HD8 with 52 Mb hard drive	£344.99	£414.99	£469.99	£599.99
GVP series II HD8 with 120 Mb hard drive	£454.99	£524.99	£579.99	£709.99
GVP series II HD8 with 240 Mb hard drive	£724.99	£789.99	£849.99	£979.99

DRIVES, MEMORY, ACCESSORIES

Cumana 3.5" external disk drive	£52.95
512K RAM expansion with clock	£23.95
512K RAM expansion without clock	£18.95
1Mb RAM expansion for A500 Plus	£34.95
2Mb RAM expansion for any A500	£94.95
8Mb RAM expansion for any A500	£294.95
DISKS	
3.5" 10	£4.95
3.5" 25	£10.95
3.5" 50	£19.95
3.5" 100	£37.95
3.5" 500	£174.95



Why not phone or write in and ask for our **FREE Amiga catalogue?**

We have many, many more products for the Amiga, including some very special disk back-up products, all detailed in our latest catalogue. It's free on request or is sent with each order.

HOW TO ORDER



Simply telephone us and be ready to quote your credit card details along with your requirements. 24hr service.



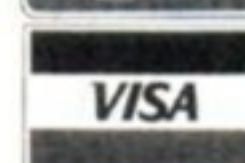
Alternatively, write in with your order, sending it to the address below along with your credit card details, cheque, postal order, or draft made payable to, "Futuretech Consumer Electronics Ltd". For credit card orders you may also fax the order to us, for faster processing.

Please state your requirements clearly, and give your full name and address with postcode. If possible give a telephone number and contact name.

FUTURETECH

Unit 3 Frederica, Caldecote Street, NEWPORT PAGNELL, Bucks MK16 0DD

Telephone (0908) 211665 Fax (0908) 217984





DPainting with the pros

How do Psygnosis transfer their visual ideas into games like Lemmings? Two of their leading graphic artists tell you how...

Jeff Bramfett and Mike Waterworth of Psygnosis

The Psygnosis guys and gals. Responsible for various graphical gems like *The Killing Game Show*.

AS FAR AS Jeff Bramfett and Mike Waterworth are concerned, in order to become a graphic artist, or at least work for Psygnosis, you must have some kind of qualification in art: ie a degree in illustration or graphic design. Even then, there is a steep learning curve to progress along, translating your artistic knowledge into a working knowledge of *DPaint*. Jeff and Mike give you a few tips on making that curve a little less steep...

Jeff believes there is no better way to create a good picture "than to get used to the medium you are using, and experiment with it to learn how to use all the effects, and then use your knowledge and apply it." Much like Jolyon from Domark (see Page 39), Jeff suggests it's not a good idea to use every effect you can in a picture, but only use the tools that you actually need.

There is a variety of ways to create in-game graphics, but Jeff explains most of the methods used "are used to create screens from blocks. The obvious method for assembling backgrounds and maps is to use *DPaint* with the Grid function on."

According to Mike the easiest way to use this is to pick up your blocks, and rotate and flip them as necessary to build up the screen. But Mike has found a small quirk here: "It's basically that if you flip your brushes with Grid on, you tend to inherit a pixel gap on the edge of your brush. So, in this case you have to keep switching Grid on and off. Another way to add variety to your screens is have a dummy outline of your block which has the middle of the block vacant for a new design. This enables you to join up your blocks, because all the edges should be designed to match up but have a new design in the middle. If you design your blocks well enough, you can do this at any size to provide an easy way of making a consistent background or map."

Of course one of the fiddliest things to cope with when designing games is drawing sprites. Jeff finds it useful when creating sprites or small characters on screen, to use the Magnify tool: "Despite the fact the image in the enlarged window is often just a jumble

of pixels, it is amazing how a single pixel can make such a difference. Animating images is also made a lot easier by using the Light-Table function. This basically shows you a dimmed version of your last frame which you can draw objects on top of without affecting the original. A good tip for animating objects with legs is that you only actually have to draw half the number of legs that you need for the object. On a person for example, you need only draw the leg on the background, pick it up as a brush, move on a few frames and paste it down again. This makes it easier to make sure that the motion of each leg is correct and in time."

Creating static pictures is easier. Jeff starts off with a line drawing, and often uses gradient fills behind objects for the background. "The problem I find with the Gradient Fill tool, however, is that there is only a random dithering option, no ordered method. So, producing a background this way can often look strange, especially if you have a large- colour separation between the ends of the ranges.

"The solution is, of course, to edit the fill pixel by pixel to smooth out the transitions between colours to produce a better effect. It is always tricky however, trying to fill in irregularly shaped areas with gradient fills. You can of course just use the fill tool to fill in a closed area." But what if the area isn't closed, or you don't want a standard gradient fill that the Fill tool produces?

"The solution here is a clever one. Create your fill to match the size of the area you want, and paste it down on the spare screen exactly under where you want it to go. Now switch back to your main screen and use the Complex Brush option to trace the outline of the area you want to fill but, just before you close the brush loop, while still holding down the left mouse button, press the 'J' key to switch to the spare, and the brush tool will pick up what was 'under' your object. This provides an easy method to pick up complex brush shapes."

When drawing small characters or sprites, Mike likes to make sure he knows exactly how the character would look like in real life, by



This stunning picture is actually a copy of the Roger Dean illustration for the *Barbarian* series of games. The computer version uses some excellent techniques to reproduce this faithful copy.

Shades of grey in the main give this picture its futuristic 'metallic' look. The hazy background provides an excellent contrast to the main image.

drawing a large-scale image of the character that he is trying to portray. "This helps me visualise what the character is like and what kind of details it has that have to be translated to the computer screen. It helps me to reflect the personality of the pixelated character."

A good example of this is *Lemmings*. On screen, the characters are blobs of blue and green, only a few pixels high, yet they have their own distinct personalities. The reason for this is partly due to the packaging, and an illustration showing the Lemmings at a larger scale, so people know what they would look like and they relate to that, instead of the computer image. So there you go, straight from the owl's mouth, so to speak.





Flip to the other screen by pressing J, and use the palette to create a mid-blue colour just below the way-out colours you created earlier. Make the bottom right-hand colour white, then click on Spread. Position the cursor over the new blue, and click the left-hand button. The computer will calculate a range of blue shades between the two. Click on Range, then click on the white again. This lets the program know that these colours are part of a group.



Set the background colour to dark blue, and the foreground colour to white. Using the Filled Polygon tool, draw a short diagonal shape, like the picture on the left.

Now pick it up as a brush, select the darkest blue as a background colour, and clear the screen. Click on the Airbrush icon, and select Shade from the Mode menu (or press F5). Now hold the left button down as you wobble the cursor about the screen, and the computer will draw patterns using the brush shape in the colours chosen as a range.

Again, the best way to do this is to practice, so if it doesn't work properly at first, try again! (Remember you can use the right mouse button to draw darker shapes if required. Also try varying the brush shapes for different clouds.)

For effect, try drawing a distant hilltop scene using the filled polygon option with a dark blue colour, like the one in the picture above. Pick a good-sized portion of the screen out as a brush – including the bits you want to go on the main picture. Press J to flip to the main screen.



Remember the stencil option? Well, you need to use it again now. Go into Stencil mode, but this time lock the cyan colour (by clicking on the background when you're in stencil mode), then click on Invert and Make, and press the F3 (Replace) key. You will now find that the sky brush will only be shown in the background. Use your judgement as to the position of the sky and the hills, then click the left mouse button. Don't forget to turn the stencil off again.

To get a nice shiny effect on the windows, swap to the other screen again, clear it, then draw a short diagonal line in white. Pick it up as a brush. Click on the next shade of blue from the range, then press O (for outline). Click on the next blue shade, then press O again. Continue doing this about eight times, then pick the whole thing up as a brush.

Flip to the main screen again, then lock the magenta colour using the stencil. Paint over the windows using the brush, creating an effect similar to the one in the picture below. Turn the stencil off again. OK, now we're basically finished!



Finally, you may like to add a few items of detail, such as a mottled effect on the walls of the painted houses, and a bit of texture on the roadsides - these are easy when using the airbrush option. Just use the stencil facility again, but this time lock all the colours apart from the colour of the road or the walls where you want to paint.

We decided that the sky and background were a bit too dark, so we lightened them up a little. Moving the range of sky blues up a bit in the palette by adding some red and yellow components, and changing the hills in the background to mid-green made the whole scene brighter and more cheerful.

Also, we thought it would be nice to include a football scene in the background. The name of the game is experimentation, and now you're experienced in some of the techniques used in *DPaint* – use them!

OK, now for the sky. The best way to do this is to draw a sky scene on a separate page, and then insert it into the main drawing. Create two way-out colours that aren't used in the main drawing (you've already got magenta, so just do one more – eg cyan), then fill in the sky with one and all the windows with the other.



Advanced



The default palette. Notice that the scale of grey shades is not smooth.

- Smooth gradient: curiously, the grey-scale gradient provided as a default has a sudden step between palette colours 27 and 28. Curing this makes the light end darker or the dark end lighter but gives a much smoother graduation. Using Spread in the palette dialog window is obviously not always perfect, so look carefully at the results and experiment to achieve what you want.

- Limited Memory: if you want to move or transform an area larger than your Amiga's memory will allow, work with two halves or four quarters.

To be sure of registration of the areas, use Cut (right button) to pick up the sections. For example, to reduce the size of a large object by thirty percent:

1. Cut approximately a quarter of the object (right button).
2. Press key J for the spare screen and then the – (minus) key three times for 30% reduction, and then paste down.
3. Press key J to return to the object and repeat stages 1. and 2., aligning each piece carefully. Make sure that each cut section is approximately the same size so that the percentage reduction is similar.



Using Gridlock it is easy to build up a picture using modular objects.

- Building Blocks: using Gridlock it is possible to build modular objects that will join together to make larger constructions. For example, pipes, carved stone blocks, tiles, modular buildings and even space stations.

Generally speaking, if a module has been built with Gridlock on, it will link together with any object constructed with a similar Gridlock setting. This is the basic principle of many graphic games, where modular objects are often re-used many times, perhaps just with a colour change.

The simplest object to build with is a rectangular brick, as follows:

1. Using Gridlock On with the default spacing, and the Straight line tool, draw an isometric

view of a block. Shade the three sides with light, medium and dark colours to suggest the direction of the light as it would look on a three-dimensional object.

2. Still with Gridlock on, pick up the block as a Custom Brush.

3. Use this block to build with and start at the back of the construction.

- Light direction with *Deluxe Paint IV*: unlike *DPaint III*, *DPaint IV* provides lots of controls for texture and light direction. The dither can be random, which gives natural-looking effects on surfaces, or patterned for other effects, especially 'textile weave'.

- Optical Mixing: if you need more colours than your palette provides, try mixing them optically. If you produce an array of alternating red and white pixels in a checkerboard pattern (best done on a grid of say 4x4 then picked as a brush and repeated to get an array), the overall effect is of a pale red because the red and white mix in your eye.

This technique can be used with any of the colours available giving you dozens of new shades.

- Spray Mixing: a similar, though rougher, optical mix can be produced using the Airbrush, by washing different colours over each other. This is ideal for textures such as desert landscapes and ploughed fields.

THE MODES MENU

- Smear: especially when working with digitised images it is often necessary to remove a part of a picture and stick it in elsewhere. To do this seamlessly means that you must reconstruct the background in this area.

Use small pieces of the existing background to patch together a reasonable approximation. Then use Smear to hide the joins by breaking them up.

- Backgrounds: smear can also be used to create backgrounds and to produce 'jumbled' images. For example a reflection on ruffled water needs to be slightly Smeared before it will look right.

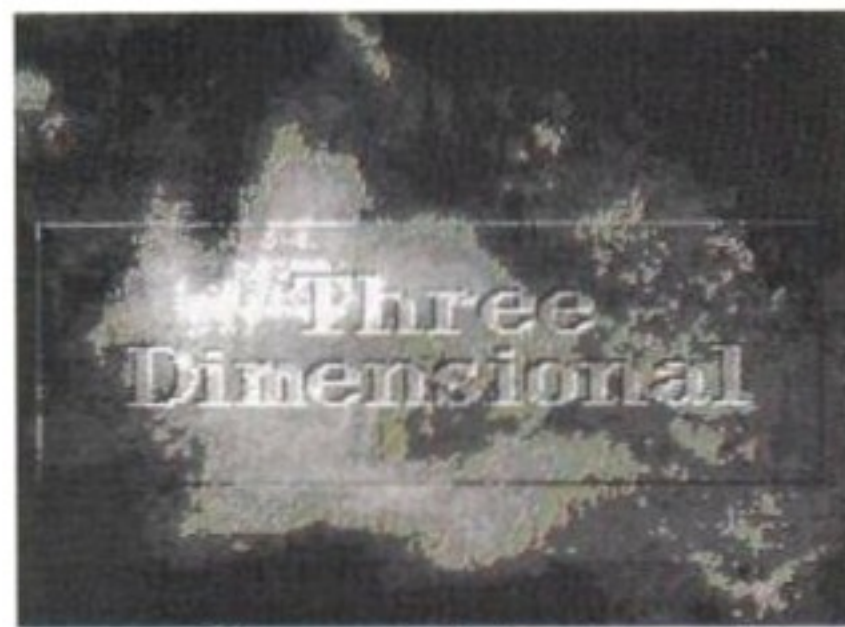
- Blend: potentially, Blend is an extremely powerful tool, but it needs lots of intermediate shades. Set up your range carefully – the more colours that are available, the better Blend will work. Use a small brush, and make sure that it's using a colour within the range.

- Broken Brush for texture: to produce a wide range of 'artistic' effects, Blend can be used with a Broken Brush (a large brush with many background-coloured 'holes' in it).

If the pattern of holes is carefully constructed, effects similar to watercolour or pastel crayons on coarse paper can be achieved. This is especially effective in HAM mode in *Deluxe Paint IV*.

- Shade: if you need to add shadows or highlights to your work, this is the tool to use – but be careful, work with single clicks of the mouse button rather than holding it. The palette needs to be set up with a good range of the colours you are shading, which can be quite difficult, even with 32.

Sometimes EHB mode is much better for this, though it only gives you one degree of shade. *Deluxe Paint IV* in HAM mode cannot use the Shade mode – a great pity and a bit of



Drawing while using the Shade option can be used to easily create three dimensional effects.

a mystery to us – all those extra colours should make shading easy.

- Drawing with Shade: with care it is possible to draw in shade mode, building up 3D-looking objects with left and right buttons. The best way to work is with a monochrome palette (shades of grey), but this can be given more interest by slightly changing the colour of some of the shades.

If you spread between black and white over 30 of the 32-colours (leaving colours 0 and 1 as a separate black and white) you will find that many of the shades are duplicated (there are only 16 shades of grey). Change the duplicates into blues, greens, reds and yellows with the same tonal value. Now set the range to be these 30 colours and experiment with Shade mode and a range of brushes.

- Smooth: the obvious use of Smooth is to remove the jagged stepping that occurs at the edges of objects, but it can also put whole areas out of focus.

For example, an object can be emphasised strongly by putting it on a background that has been smoothed.

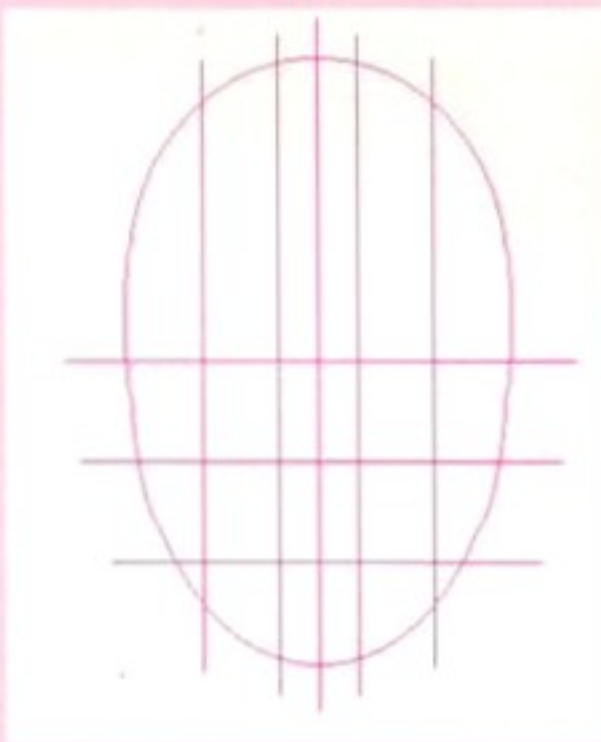
- Depth of Field effects: taken further, the Smoothing effect can produce Depth of Field effects similar to those achieved when using a wide aperture in photography.

To do this, apply Smooth to the background three or four times to make it very blurred, apply it once or twice to middle distance objects, and not at all to close objects. This will increase the depth of the picture.

- Motion Blur: an alternative, artistic, use of Smooth and depth of field is to blur the closer object to give the dramatic effect of a moving object. This can be enhanced with Blend by dragging the 'trailing' edge of the object slightly. For the picture below we have taken a scene from a Team 17 game and locked all the foreground colours with the stencil. A large, rectangular block was then picked up as a brush and dragged across the screen using the straight line tool and the blend mode, which 'blurs' the background colours.



Motion Blur is a great way to give an effect of movement in your picture.



Now we've taken a look at how a face is drawn, we are going to try to draw our cover model using the same basic principles.

As a beginning point we must use a guideline grid. We used the photograph as a guide for this, but whatever you're drawing you must make sure that the guide is in the correct proportion before you begin.

Click the right button on the Airbrush icon, then holding down the left button size the brush using the mouse. Select a large round brush from the top menu.

Select a range of colours using the palette in order that you can paint the skin, hair and lips of the face. Leave some colours free. Paint the basic shape of the face using the colours.

Draw in the eyes, then shade the nose and lips and other features. Don't worry! We've jumped ahead a couple of stages here for reasons of space, but just take your time and do things in order.

Make the airbrush range a little larger, then carefully smooth out the edges on the face – don't use the Smooth option for this. Be patient, and use Undo if necessary.

Try to leave as many black and dark colours as possible until last, basically because it's easy to make a mistake and it's more noticeable when you are using black.

Continue using the Airbrush for shading until you are happy with the general shape of your face.

Using the Magnify option, draw the detailed bits such as eyes and lips.

When you're happy with the face itself, concentrate on the dark parts of the picture – remember, even dark hair has some highlights. Don't be afraid of using bright colours here – there's always the Undo facility if you need it.

Lastly, remember that with *DPaint* you are not confined to the size of your screen, so if you need a larger area, use the arrow keys to move around.

EDUCATION WAS NEVER THIS MUCH FUN

Noddy's Playtime is a graded creativity and entertainment package for home computers based on solid educational principles for 3-7 year olds.

Drive with Noddy in his car and explore the magic of Toytown, visiting the 8 special learning locations.

- Railway Station - memory game
- N&B Works - observation game
- Chimney House - musical fun
- Noahs Ark - jigsaw puzzle
- Farm Yard - animal matching
- Market Place - letter recognition
- Post Office - counting
- Police Station - maze game

Also included is a junior Art Package which develops your child's creative ability.

- Picture Colouring.
- Electronic 'fuzzy felts'.
- Freehand drawing with pens and spraycans.
- 50 pre defined fill patterns.
- One finger on, one finger off mouse control for tiny hands.

Noddy's Playtime features user friendly icons so that even the youngest family member can learn and have fun.

There is a choice of 3 carefully defined learning levels designed in consultation with teachers. Noddy's Playtime also includes FREE: Toytown map, keyboard overlay and wobbler.

A comprehensive manual and parent teacher guide will enable you to bring your child's imagination to life.

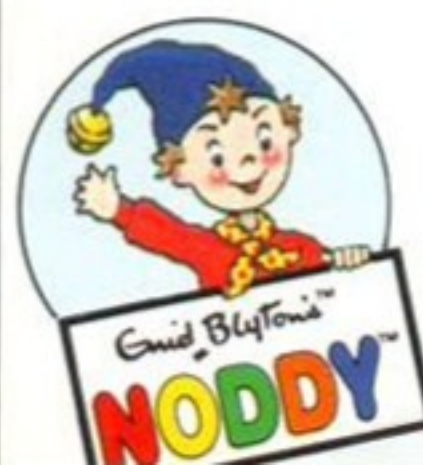
AMIGA Format

Amiga 500 and above.

Available from the end of November at major stockists.



NODDY'S™ PLAYTIME



Original Text and Images © Darrell Waters Ltd 1949/68. Text and Images of BBC Television Series © BBC Enterprises Ltd 1992. Licensed by BBC Enterprises Ltd. NODDY is a trademark of Darrell Waters Ltd and is used under Licence. ENID BLYTON (signature logotype) is a trademark of Darrell Waters Ltd and is used under licence.



THE JUMPING BEAN CO.

Leen Gate Lenton Nottingham NG7 2LX

Tel 0602 792838 Fax 0602 780963



IBM PC screen shots

Are you Britain's best games player?



**BEAT THE
REST AND WIN
THOUSANDS OF
£££s!**

**(There's £10,000
in it for you
if you are...)**

Yes, £10,000! That's the prize for the winner of the National Computer Games Championships, and entry is absolutely free. All you have to do is turn up to one of the Virgin Games Centres where heats are being held and show us what you're made of!

To start with you have a choice of playing on the Mega Drive, Super NES or Amiga, but if you get through the first stage then you'll have to really show off your skills by playing several games on different machines.

If you get top marks in the special gamers' challenge you could make it to the finals at the Future Entertainment Show in November and face a play-off on the video wall with the TV cameras watching! And the winner will walk off with £10,000 in cash.

If you think you're up to the challenge, look up your nearest entry point below, and see if you are as good as you think you are...

THE PRIZES!

The winners of each heat will go forward to a regional final the same week. The winner of each regional final will get an **Amiga**, a **Mega Drive** and a **Super NES**, plus copies of the games which will be used in the finals so they can get ready in style. In the grand final itself, the runner up will get **£4,000** while the winner will go home an incredible **£10,000** richer!

**FREE
ENTRY!**

HOW TO ENTER

Just turn up, ready to give of your best, at one of these heats being held all over the country:

12th, 13th, 14th, 15th October
Glasgow Union Street Megastore
Falkirk Games Centre
East Kilbride Games Centre

19th, 20th, 21st, 22nd October
Stockport Game Centre
Manchester Megastore

**26th, 27th,
28th, 29th
October**

Bromley Game Centre
Croydon Game Centre
Guildford Game Centre
Ilford Game Centre
Kingston Game Centre
London Game Centre,
100 Oxford Street
Birmingham Megastore
Bristol Game Centre
Cardiff Megastore
Newcastle Megastore
Gateshead Game Centre

There you'll have to try out a special timed challenge on Zool, Robocop 3 or Aquatics. Regional finals will be held on the Friday of each week in a local Megastore, and the winners of the regional finals will go to the grand final in Earls Court on November 7th and 8th.



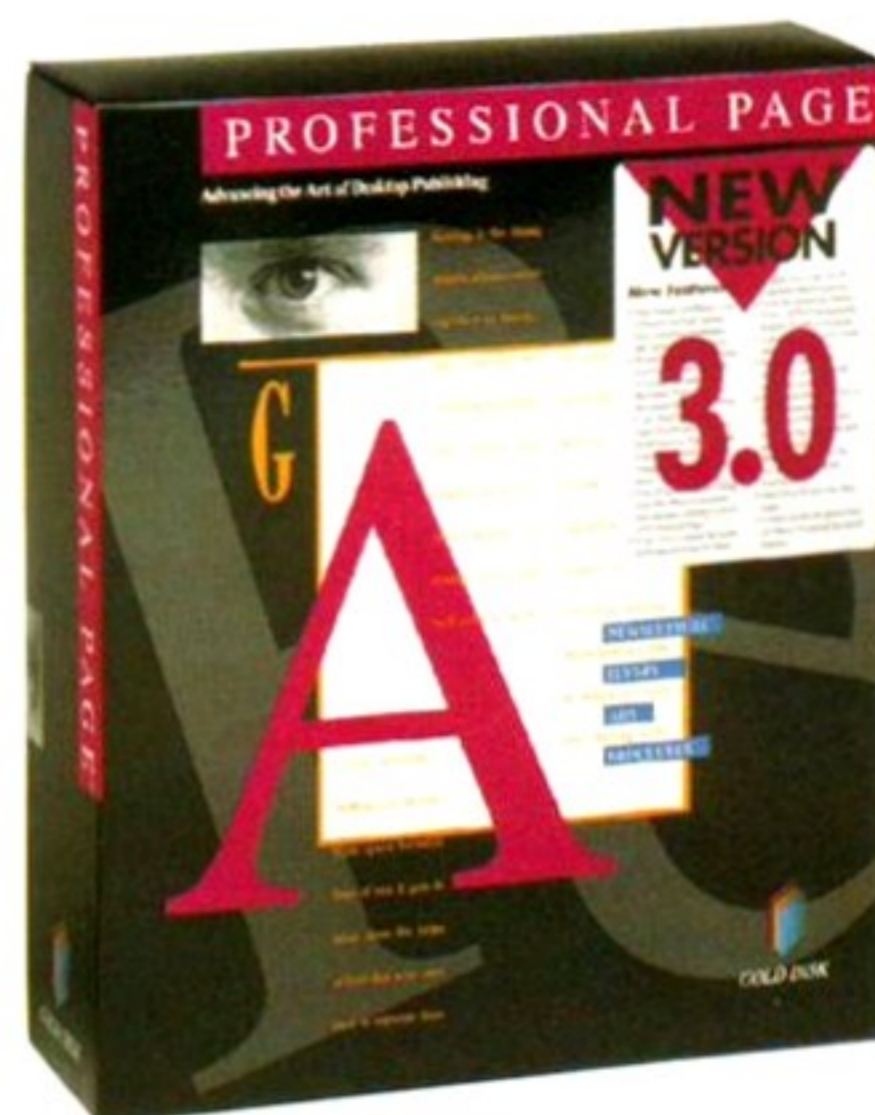
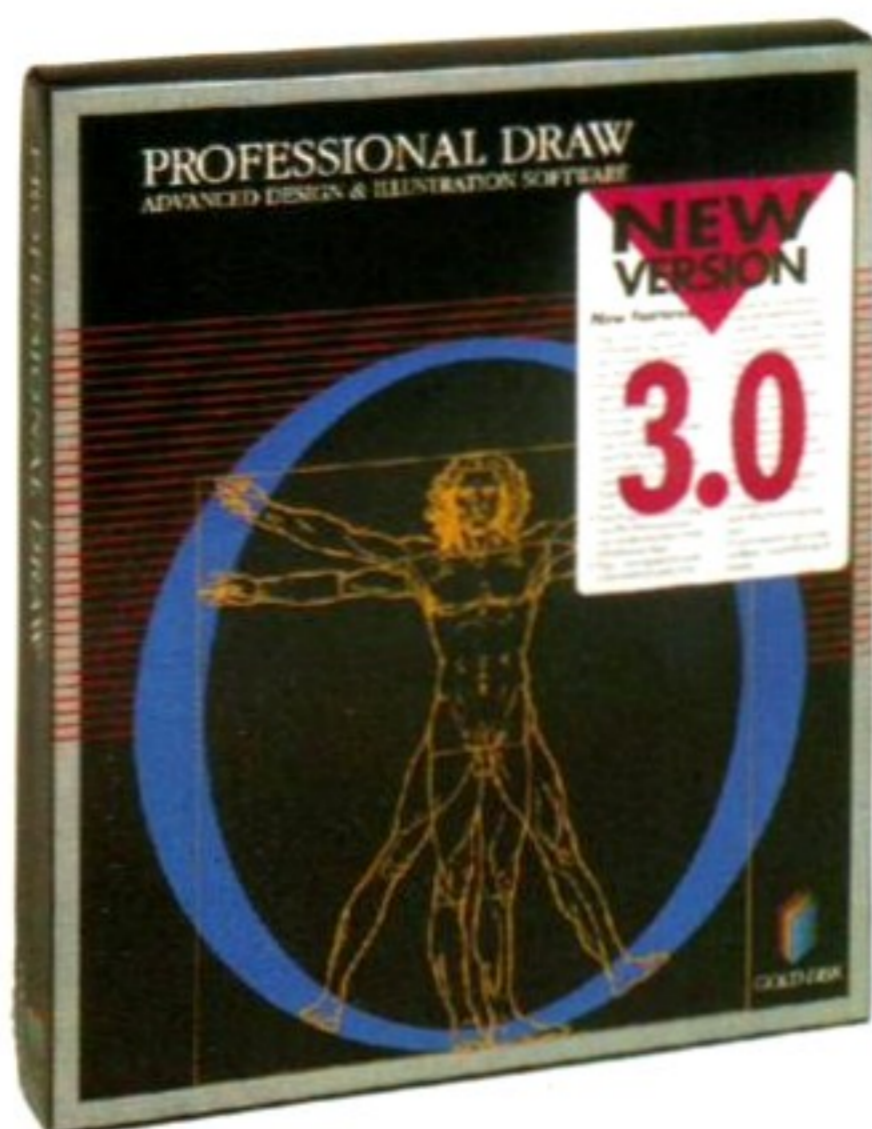
THE NATIONAL COMPUTER GAMES CHAMPIONSHIPS

**AMIGA
FORMAT**

sponsored by Amiga Format and Virgin Retail
in association with Bad Influence!

Virgin

Unleash the Power!



The Publishing Team With The Genie Edge

Team work. Automation. Integration. Great concepts that haven't applied to desktop publishing, until now. Introducing Professional Page 3.0 and Professional Draw 3.0, two programs that through Genies* and our open linking architecture are re-defining the way you work. Genies automate everything from actually laying out newsletters and ads for you, to time saving functions like step and repeat and copy object attributes. A full set of Genies come with each program, to help you work better and faster. Plus you can make your own Genies to automate the things you do most.

Our intelligent hot-linking system lets you instantly take a drawing to Professional Draw 3.0 for editing, or take text to our Article Editor for speedy changes and spell checking. Link to Professional Calc* for instant tables or to Art Department Professional* for image manipulation. These links come free, and more are on the way. But you don't have to wait, because with our open linking architecture you can create your own links to any of the hundreds of programs that support ARexx. With Genies and linking, the possibilities are endless.

Professional Draw 3.0® - A New Standard In Illustration

We've added a number of hot new features that make it easier than ever to create high-res full color illustration, exciting type effects, and more. You get automatic linear and radial gradient fills. Type directly on the page and use AGFA Compugraphic or Type 1 fonts. Variable X-Y bolding & scaling. The PANTONE®** Colour Matching System is built-in. An improved Auto-Trace converts bitmaps. Auto-Tiling of large pages. Un-Do. A Free Clip Art collection, and more!

Magic Functions

Professional Draw 3.0 also features over 25 time saving Function Genies* like Step and Repeat, Style Tags for Objects, Copy Object Attributes, Make Avery Labels, Hot-link to Art Department Pro*, Rounded Rectangles, Polygons, and more.

Professional Page 3.0® - A New Standard In Publishing

With Professional Page 3.0 you get all the features you would expect from the leading publishing system for the Amiga. Adobe Type 1 font support, Irregular Text Wrap, Built-in PANTONE** Colour, a complete range of typefaces, Auto-Tiling, superior Colour Separations and more. Plus you get an Article Editor and spell checker that others make you pay for.

Automatic Layout

Page Genies* revolutionize desktop publishing by actually laying out pages for you. Answer a few questions and in just minutes you have a professional layout. Plus our new Function Genies perform over 60 functions like Mail Merge, Drop Caps, Drop Shadows, Step and Repeat, and more that will save you time and simplify your work. Plus you can write your own.

Join The Professional Publishing Team - For One Low Price!

Combine the power of Professional Draw 3.0 and Professional Page 3.0 and you'll own the ultimate publishing system for your Amiga. And for a limited time, you can join the team for less. Just £99.95* gets you Gold Disk's Unleash The Power publishing bundle of both Professional Page 3.0 and Professional Draw 3.0! Call today, this special offer is limited! Credit cards are accepted.



Get Them Both For £99.95! Call 0743 350551 Today!

Professional Page, Professional Draw, Professional Calc, and Gold Disk are trademarks of Gold Disk Inc. Professional Page and Professional Draw require a hard disk and 2MB RAM, to use Hot-link requires 3MB RAM. *Genies and marked links require ARexx. ARexx comes free with Workbench 2 or can be purchased at a reduced price with coupon inside Professional Page 3.0 box. **PANTONE is Pantone, Inc.'s check-standard trademark for colour. *Special £99.95 offer is limited, available while stocks last. Price excludes VAT of £18.46 and shipping charge of £5.50. Please make checks for £123.91 payable to Westpoint Creative Ltd.

Amiga Video

Everything you've always wanted to know about making your own video productions, presented by **Pat McDonald**.

THE AMIGA HAS always been touted as the ideal computer for video use. The main reasons for this are as follows: first, the machine was designed to provide inputs and outputs that already existed within the video industry; second, the spectacular quality of Amiga graphics; and third, there isn't anything to beat the computer for the same price.

Just as desk top publishing (DTP) uses computers to help produce printed documents, desk top video (DTV) uses computers to help produce video tapes. If you haven't got a video tape recorder, then you're like someone with a word processor but without a printer. For the rest of the article I'll have to assume you have a VTR.

The most important thing to remember is that video signal standards are different and incompatible from place to place. The differences are broadly as follows. Most western European videos, including UK types, as well as Australia and New Zealand use the PAL standard. North America, Japan and Korea use NTSC. The rest of the world usually uses the French-developed SECAM system. However, some VTRs are capable of playing tapes using the different systems, though this is not a standard feature.

Most Amigas work in either NTSC or PAL mode, although it makes sense to stick to the standard that your video setup uses. PAL runs at 50 fields per second. Two consecutive fields contain 625 horizontal scan lines of picture – these are combined to produce a display that runs at 25 visual frames per second.

NTSC runs at 60 fields per second, containing fewer horizontal lines. This is offset by the fact that NTSC produces a steadier, less flickery display.

Although these standards are used as the basis for TV transmissions, don't think that video and TV are the same thing. TV broadcasts are made by means of radio waves. You can't plug a TV aerial into an Amiga and get any sort of picture.

Video is controlled and directed by wiring and connections, not broadcast transmissions. Anyway, back to computers. The boom in



You can build up all sorts of video bits to make your video productions better, but even just the right software, an Amiga and a good home video recorder is enough to be starting off with. So go to it!

camcorders (the fastest growing market for video equipment) has meant that lots and lots of people are shooting their own films. Any sort of TV program has at least the name of the production at the front in large, bold letters, and usually has a list of credits at the end. These are known collectively as 'titles', and a program which can generate such displays is called a 'video titler'. The biggest use of the Amiga in video is to produce such titles.

Not that conventional home video gear can't produce titles. However, the Amiga is far more flexible, can create a much wider range of styles, for individual looking titles. Also, an Amiga plus titling software is much, much cheaper than a dedicated piece of titling hardware which can produce similar results.

That's not all the Amiga can do though, not by a long chalk. As you are probably aware, the machine is capable of producing great



TOP TEN HINTS: VIDEO RECORDERS/TAPE

- 1** The age of a VTR is one indicator of how good the results will be. Modern machines have a better specification.
- 2** Digitising from existing video tape is an art. If the VTR can be advanced one frame at a time, then sequences can be digitised more easily, edited, and then re-recorded.
- 3** If you're in the market for a video, check out the spec thoroughly. Although many machines boast features like single frame editing, the small print often reveals the machine is not as accurate as the hype suggests.
- 4** Another feature to look for is how easy it is to control the video via an editing deck. You won't want to get one of these straight away, as they are as costly as the video themselves – but they are excellent.
- 5** Although the VHS system widely used in homes throughout the world is good enough for recording pure Amiga graphics, if you want to record 24-bit "True Colour" images then a more upmarket system is a must.
- 6** Whenever you copy video signals from one recorder to another, the picture quality goes down. Avoid extra 'generations' of tape unless you want surreal looking videos.
- 7** The best quality cuts using low budget VTRs are best done as follows; press record, play and pause on the machine that is recording, and play and pause on the player machine. Hit both pauses at the same time for your sequence to begin and end neatly.
- 8** Never handle video tape. The only reason you can get at it is to visually check whether the tape has been damaged by a faulty video machine.
- 9** Video tape isn't like film. You can't cut it up and splice it together. The only way to cut from one shot into the next is electronically. The cheap way is to push the buttons: the easy way is to control the video electronically.
- 10** As far as you can, use new tape that hasn't been recorded on to get the best results. You don't have to buy a whole new tape for each shot you do – but keep track of what parts of a tape have been used and what hasn't. Video tape degrades with use.

animations, using suitable software like *Deluxe Paint III* or *IV*. However, the longer a piece of animated video footage, the more complex it is to direct and control.

Semi-professional and even independent TV companies use the Amiga for everything from short, atmospheric 'descriptive' sequences on adverts, to cutting and chopping digitized images on pop videos. The latter use, sometimes known as 'scratch' or 'guerilla' video, was one of the reasons why famous artist Andy Warhol was drawn to the machine in the early years. A pity he died before producing much using the system.

Having said that, some people have gone even further, using graphics and images produced purely on the Amiga to form short films of perhaps 20 minutes (which is a big production in animation terms). The most notable of these is Tobias Richter, whose scale ranges from still slideshows regularly wowed at on the Public Domain circuit, to full-scale videos. Who knows, you might go on to produce even longer, better work.

It would be wrong, though, to suggest that the only videos you can produce are for the entertainment industry. There are two more equally important areas which are in many ways easier to break into, namely education and business. Video is one form of the art of communicating through moving pictures, but today it is a very widespread medium.

Pure education is probably the easiest area to create for, while at the same time being the most difficult to do well. There are educational videos on thousands of different subjects (there are even a few on using *Deluxe Paint*) but because of the huge variation in subject matter, finding the right audience is no easy task for even the most gifted producer.

If you want to go into this area, then the most obvious subject matter is a hobby or private study of your own. You can go for mainstream education, except that you can easily fall foul of the copyright laws by unwittingly using someone else's images.

If you stick to subject matter which a) you can produce good, original sequences for and

b) not tread on anybody's intellectual property rights, then you have an ideal subject for a video, if not a dozen. Of course, tomorrow holds the promise of CDTV and CD-ROM – but today holds the guarantee of millions of video recorders all over the world.

Finally comes the most selective of areas, business communication videos. Companies are very, very fussy about how you portray them and their products through moving pictures – one minor slip can easily land you in a legal defamation case.

Having said that, most companies have at least ideas for how to get their message across at 25 frames per second, even if the vast majority lack the personnel and equipment to do so (very few businesses use Amigas as part of their day to day activities).

So business is an area to tread warily in, but the rewards are certainly there. These days, at trade fairs and conventions, it's not who has the best product who pulls the crowd – it's the stand with the best video presentation that gets all the attention. It will probably be the Amiga's ability to look and sound good, rather than multitasking or Workbench 2, that will persuade the captains of industry to take the machine to their heart.

Ok, that's a whistle stop tour of just where you can go to, starting with just an Amiga and a VTR. What about the other steps on the way? Do you need lots more video equipment, do you have to spend a fortune?

Yes and no. Broadcasting giants spend millions upon millions on TV and video production. Obviously, the more techniques you want to exploit, the more equipment you need to get that effect, that wipe, that shot. But it needn't necessarily be incredibly expensive. The reason for this is very simple. Hardware gets cheaper. Not just computers, but music systems, effects units, digitizers – and, of course, video systems.

If you start today, just where you'll end up? Maybe it'll be a quiet studio, doing the odd bit of animation and titling. Maybe you'll have your own video empire. The point is, unless you take the first step, you'll get nowhere. ☺

HOW TO PLUG IN TO VIDEO



If you have an Amiga and a good video recorder, a genlock is a good buy. It enables you to mix Amiga graphics in with video images.

Take a good look at the back of your video recorder. Chances are, it's got two sockets – one marked "Video Out", the other "Video In". Usually, these connectors are of the Phono/RCA types, the same type of connector used for sound. Sometimes they are BNC types, which twist on and off in a similar manner to light bulbs. You can buy BNC/Phono convertors for only a few pounds.

The above are examples of composite video signals, which relay all the picture information through a single core of wire, surrounded by a shield return. Becoming ever more common is the Scart or Peritel connector, which has twenty one pins. As well as providing composite video, these connectors also give separate red, green and blue components, the synchronisation signal, and stereo sound. In addition a command pin is used, which has to be wired to the Amiga to convince the video that a signal is present.

In general, composite is easier to work with, although it doesn't give as good a quality as separate feeds. There are more specialist connectors used on video recorders which use better systems than the now standard VHS (Super VHS for instance).

Exactly how you wire your Amiga to the video depends on what you want to do. If you have a modulator plugged in to your computer, you can just run a cable from the video out socket of the modulator to the video in of the recorder. Then you can video the picture from your Amiga. There is a composite video output on all Amigas – but this is black and white only on all machines except for the original A1000 and the brand new A600.

A better idea is to invest in a genlock. This can take in a video signal, and overlay the Amiga graphics on top. The original video picture shows through on blank areas of the Amiga graphics.



TOP TEN HINTS: VIDEO CAMERAS

video cameras typically cost less than £100, and together with coloured filters and even a cheap digitiser can produce better results than a more expensive colour camera.

3 All video cameras boast loads of features. Some of them, like a built-in video titler, are pretty pointless if you have an Amiga. Don't buy what you don't need!

4 The most important part of any video camera is the lens. A camera with a good, simple lens will produce far better pictures than will a camera with a naff, macro/zoom lens, so the simpler option could well be the better one if the prices are similar. The latter type has its uses, but tends to be overused by beginners. Do consult the video magazines.

1 A video camera which can itself record is known as a camcorder. Not all cameras have even this facility!

2 A video camera which can not record is ideal for using with a video digitiser, and cheap too. Black and white

5 Camcorders suffer more abuse than VTRs. A simple, robust design is better for use in live situations than a fragile, expensive type.

6 Not sure what to buy? The best way to find the right design for you is to hire a camera out for a couple of days, and experiment.

7 Cameras need light to operate. The more light, the better. A lot of cameras boast they work in low light conditions – but very few work well.

8 One common mistake of home video enthusiasts is to fail to calibrate the camera using the white and black balance controls. If you don't, the colours just don't look right, as different lighting produces different colours.

9 An underexploited way of improving your videos is to use filters in front of the lens. Costing only a few pounds, the right filter can transform a boring, washed out shot into a lively, colourful shot.

10 Feel free to burn off video footage – video tape is actually pretty cheap nowadays – but always criticise your own work. Talent with a camera is built up gradually, learnt from many mistakes.

★ The ORIGINAL DISK ★

DUPLICATION SYSTEM for the AMIGA is now even better!

**NEW
VERSION
£39.99
Plus £1.00
POSTAGE**

**THE BEST
AMIGA COPIER
GUARANTEED!**

Includes **NEW**
multifunction
**"CYCLONE"
CARTRIDGE**
for increased power
& reliability

For Amiga A500, A500+,
A600, A1500, A2000, A3000

X-BACKUP PRO is the most powerful disk duplicator/utility package ever designed for the Amiga.

For duplicating your original software, X-BACKUP PRO is a must, however it offers so much more.

HOW TO ORDER X-BACKUP PRO:-



Telephone our sales hotline with your credit card details for immediate despatch.

061 724 7572



Send a cheque or postal order for £40.99 made payable to SIREN SOFTWARE, Wilton House, Bury Road, Radcliffe, Manchester M26 9UR

- ✓ Copies virtually all known disks, far more than any other copier available.
- ✓ Also backs up hard disks. Ideal for A600HD owners.
- ✓ Full file management/copying utility
- ✓ Optimises data for faster loading.
- ✓ Formats, repairs, verifies. More than just a copier!
- ✓ Includes the new CYCLONE cartridge.
- ✓ Official U.K. version. Includes 8 page manual.

GUARANTEE:- X-BACKUP PRO is the most powerful disk copier available for the Amiga. If at the time of purchase, you can find a superior copier, we will REFUND YOUR MONEY.

Can any other copier offer you that?



THALION

The **AMIGA** Collection

FORMAT

No.8 RRP £100

TV*Text

The easiest
Video Titler
available!FILE EXCHANGE
UTILITY!Cross-DOS: open
you Amiga up to
the outside world
with this excellent
utility.
**FULL VIDEO
TITLING
PACKAGE!**
TV*Text: it must
be the simplest
way to give
your videos the
professional
touch!
CROSS
DOS

● A 500 Plus Compatible ● 1Mb Required ●

TV*TEXT

So video titling is a total mystery to you, then, eh? But never fear – it's actually disgracefully simple. **Pat McDonald** provides a complete guide to making your very own video credits...

THE ESSENCE OF *TV*Text* is very simple. All it does is display text and still pictures in a form suitable for immediate recording on videotape. Its purpose is to enable you to add titles and credits to your own videos. You don't need a genlock or a video camera – just some footage to title.

This simplicity of purpose is carried over into how you use it. Each title is built up in layers, in a similar fashion to the way that an artist builds up a picture using many different elements. Just as a skilled artist can create a better picture, so a skilled title technician can produce professional-looking results.

But first things first. The skill will come with time and with practice, so play around to your heart's content. And first, you'll need to know how to use the program.

GETTING STARTED

Here's how you get it going. First, load Workbench. Then take out the disk and insert a copy of the *TV*Text* disk. You should rename this disk to **TV*Text** (it will start off with the name MSDOS_FileSystem). Just click once on its icon with the left mouse button, then hold down the right mouse button and select Rename from the appropriate menu option. This is on the Workbench menu on 1.3 machines and earlier, and on the Icon menu on Workbench 2.

Double-click on the *TV*Text* icon, then again on the drawer marked *TV*Text*. There are two versions of the program on the disk – one that operates in high resolution (640 pixels horizontally, interlaced) while the other works in medium resolution (640 X 200 for NTSC,

RENDERING PREFERENCES: THE HEART OF TV*TEXT

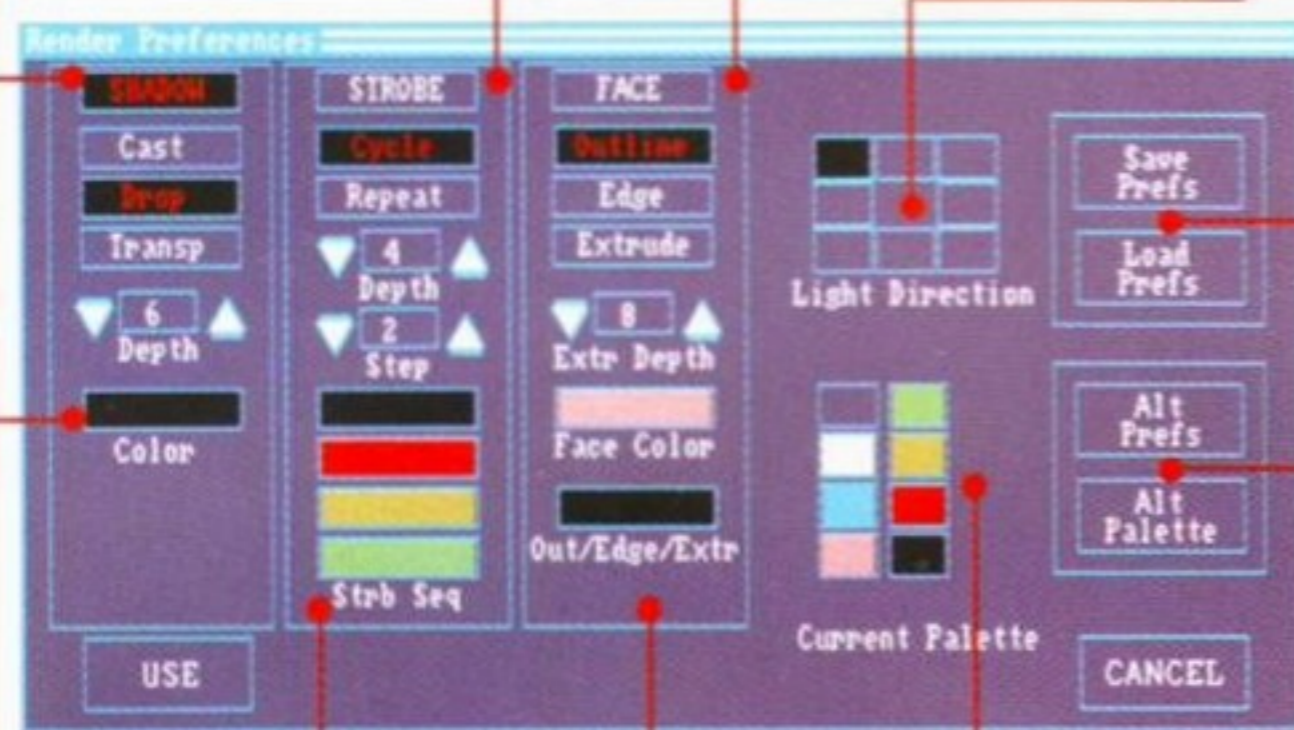
The three shadowing options all give a subtle variation of a shadow cast behind the main text. Although this is a bit of cliché, combined with just the right font, it can provide a certain atmosphere. Overuse makes it look very tacky indeed.

The shadow which a piece of text casts can be dispensed with, simply by selecting this, then the background colour. The shadow will then be totally invisible. The value above, the depth of shadow, can be adjusted to give the height of the text above the area where the shadow is cast.

The Strobe option forms a layer of colours behind the main title text. Don't set the Depth or Step too high, as your titles then tend to protrude right through the screen. Difficult to master.

Face is used for simple, plain titles. Edge will soften the outline without removing it completely, while extrude will turn the title into a solid three dimensional lump. For the most part use Outline.

The light direction is used to set which way the extrude and shadows work. Messing with this on the same title page leads to some bizarre optical illusions, so feel free to experiment.



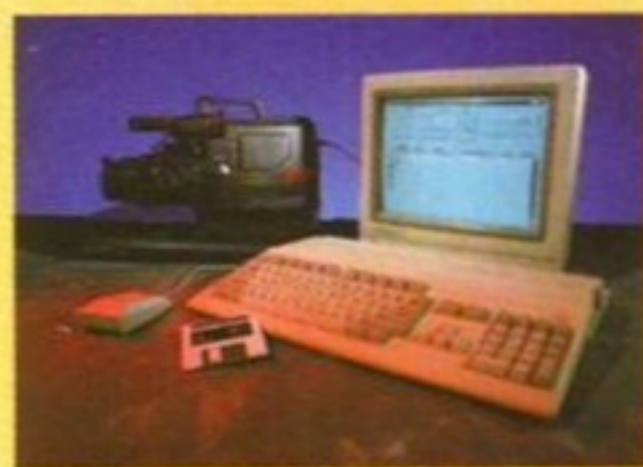
The current Prefs can be saved out to the *TV*Text* disk, and reloaded at a later date. Make sure you have renamed the disk to *TV*Text*, otherwise these options won't work.

If you have two different titles which use totally different palettes, you can use the alternative palette to compare them and see how well they match together. You cannot use these options to use more than eight colours at a time.

The key to an effective strobe sequence is to set up a palette with a few shades of the same colour. These can give much more depth to titles than a simple shadow.

The Face colour is the basic hue of the front of your title. The Out is the outline which surrounds the main text, and is usually best set to transparent, ie invisible.

The current palette. These cannot be changed through the Render prefs (it's a separate menu item). Just select a colour and then click on the palette to change it.



TOP TEN HINTS: AMIGA

- 1 Don't think that making a video takes the same amount of time as the video actually plays. The ration of production time versus playing time varies from about 3: 1 for simple titling, up to hundreds or even thousands to one for complex animations.
- 2 With the above point firmly in mind, make a humble beginning - a small set of titles for a family video with *TV*Text*, or a simple, short, black and white cartoon composed of just a few shots.
- 3 Start small. Get the message? Too many people aim for too much too quickly, get discouraged and stop the hobby before it's even started.
- 4 After one or two efforts, plan something a little more ambitious. Decide on WHO will watch it. Good TV and video succeeds not because of the actors, the script or the production - but on finding the right audience and knowing their tastes.
- 5 Your potential audience decides the subject for your work. Twelve year olds don't want to watch business presentations. Company directors will not be impressed by childish cartoons. Well, possibly not.

6 Pure Amiga graphics, while excellent in their own way, do not compare with video when it comes to subtle colouration. Don't just digitize sequences, and re-video them. Put some alterations in with a paint package, to enhance the basic moving pictures.

7 Amiga graphics on their own do have their own distinct flavour. Either practise on your own art skills, or find an artist with their own styles. 3D ray tracing is the only "pure computer" form of moving pictures, and it's a very effective technique.

8 Grab every opportunity to do more work. If some project is going to cost, get the money up front, even if it's for something pretty trivial like titling a local band's live video. You deserve your keep, just like the BBC, NBC and others.

9 Study television. Yes, I know most of it's dire but by appreciating other people's work, you can begin to understand most of the basic techniques without enrolling on a night school course (also a good idea, come to think of it).

10 Be individual! If it's true that every person has at least one good story to tell, then it's also true that every person has at least one good video production just waiting to be discovered.

Those Menu Items in full



PROJECT MENU

Load Picture: This has two sub options, straight load or auto colour. The latter will remap the picture into the present palette as best it can.

Save Picture: Dumps the current screen to an IFF file.

Load Overlay: Loads in a picture, but leaves all areas with colour zero transparent, so previous work is not obscured. Again, has an auto colour option.

Save Overlay: Saves a portion of the current screen, which you mark out with the mouse.

Show Title: Obviously you don't want a title bar recorded at the top of your titles. This options hides and reveals it.

Delete File: Used to wipe a file from a disk. Use with caution.

Print: Dumps the current screen to a printer.

About: Tells you who wrote the program.

Quit: Gets you out of TV*Text.

EDIT MENU

Undo: Reverts the screen back to where it was before you entered the last element. Warning! Some options do not Undo.

Cut: Used to blank an area of the screen market out with the mouse.

Copy: Used to paste an area of the screen (which you mark out with the mouse) to a different part of the screen.

Resize: First, choose what type of Resize you want. Then mark out an area - it will be cut out and resized automatically.

TEXT MENU

Fonts: Select a different font and size.

Sizes: Select a different size of the current font in use.

Styles: Used to underline, bolden or italicize text.

Rotation: Useful for flipping areas through 90 degrees. Can be used to stretch areas through 45 degrees, but it's not too good.

Autosize: Handy for customizing the present font to fit into an exact area.

Libraries: Used to load fonts from somewhere other than the TV*Text disk.

JUSTIFY MENU

Free: Text will be placed wherever you want it to be.

Centre: Text will be aligned with the centre of each line in mid-screen.

Left: Text will be left justified.

Right: Text will be right justified.

Grid: Text will be aligned with a grid.

Vertical: Text will be aligned vertically.

Grid Size: Used to change the size of the justify grid.

RENDER MENU

New Text: You can now enter a new line of text for rendering.

Last Text: Go back to the last line of text you entered.

Overlay: Load in an IFF screen, auto colour it and render it to have bevelled edges.

Preferences: See separate box.

Palette: Change the colours TV*Text displays. Avoid excessively bright colours as these do not record properly on video recorders.

DRAW MENU

Line: Renders a horizontal or vertical line.

Box: Renders a box.

Circle: Renders a circle.

Ellipse: Renders an ellipse.

Erase: Blanks an area of the screen.

Line Size: Choose the thickness of lines for future drawing operations.

BACKGROUND MENU

Clear Screen: Wipes your work away, ready to be redone.

Tile: First you mark out an area, which is then automatically tiled (repeated) to fill the whole screen. Use with caution.

Wallpaper: Similar to tile, except that vertical bands are put onto the screen.

Grid: Similar to tile, but tries to fit the tile into square blocks.

Gratation: Has several sub choices.

Basically it puts up a pretty copper (colour bar) background for you to draw over. Not terribly useful, especially if you have a genlock.

VIDEO MENU

Interlace: Turns interlace mode on or off. It is best kept off when working because of the flicker, but should be on when you are recording onto tape, because it is the same quality as a TV display.

Hide Pointer: Hides the mouse pointer.

Screen Size: Changes the resolution at which TV*Text works. To avoid cut off areas, you should choose the biggest area you possibly can unless you can't spare the chip RAM.

256 for PAL). Double-click on the one you want to load the program.

For your first few attempts, try selecting New Text from the Render menu, and type in a line. Click on OK, and position the text where you want it to go. Clicking the left mouse button again will paste down the text - the right button will abort that particular line of text and let you type in another line. Don't worry, you can get your old text back by selecting Last Line from the Render Menu.

One final point. You can make more fonts available to TV*Text by copying them to the ZumaFonts drawer on the disk, but an easier way is to load them from a disk called Fonts.

COMPROMISED STANDARDS

At first glance, TV*Text doesn't appear to use the capabilities of the Amiga to the full. After all, the machine can display 4096 colours, albeit in low resolution, so why does the program limit you to just eight colours in high resolution?

The answer is twofold. First, high resolution titles look a lot less jagged edge than low resolution, so the program defaults to that standard. Second, high resolution limits you to 16 colours. So the program has to have a limited palette.

"But why doesn't it use 16 colours then?" you ask. Well, Amigas with only half a megabyte of chip RAM have great difficulty working in 16 colours at high resolution. They just haven't got enough workspace to keep their pictures in. Try setting *Deluxe Paint* to 16 colour high resolution mode - I bet you it doesn't work, and you'll be lucky to get eight.

Note that it's unwise to use colours which are too bright. Video tape is very fussy about what colours it records, and bleeding reds or patterned greens/blues are an eyesore when the tape is played back.



TOP TEN HINTS: MIXERS/EDIT SUITES

1 Top of the pile in terms of video additions are video mixers. These enable you to make smooth transitions from one sequence to another, without sudden cuts.

2 Edit suites are another rather pricey extra. Edit suites are glorified controllers for video recorders and cameras, enabling one scene to be seamlessly joined to another.

3 Edit suites are a little pointless unless you actually know where the cuts are going to happen. You can wing it with an edit suite, but careful planning (story boards and so forth) is necessary to use them efficiently.

4 Expensive but invaluable, video mixers are often overused by the novice, as each scene swirls into the next. The current crop of TV viewers are mostly unused to leaping, dancing, swirling shots which mixers produce when used too much.

5 More types of each extra are becoming available all the time. However, different manufacturers use different standards to plug one video machine into another, so if you are aiming for either it makes sense to check what your video equipment can take.

6 The Video Toaster is an Amiga card, only available to A1500s and A2000s. It caused a storm when the NTSC version was launched - I understand that a PAL version is finally in the works. This card enables you to both mix and fade between different video sources, as well as having a built in 24 bit graphics board plus bundled ray tracing software.

7 Better software is becoming available all the time to help you to use the Amiga as an edit suite, although currently most of this software is very expensive. *Show Maker*, *Scala MM 200*, *Syntronix* and (at the top) *Sympatica* are all aimed at the more professional video user.

8 However, bigger and better software requires a bigger and better Amiga to use effectively. If you achieve a good success rate, chances are you'll want to upgrade to an accelerated, large memory machine with a hard disk (A3000 preferred).

9 Bigger ideas are a natural progression as you get more into video. It's an area that can take you from being an amateur to being a professional within a very short space of time.

10 So think big! Next time the credits roll and the opening scene begins, it could be your work that entertains millions. At the same time, always remember that it's worth getting titling done for the humblest home vid.

BATTLETOADS™

CALL 0444 872234
FOR YOUR FREE
PLAYABLE DEMO!
PLEASE QUOTE 'AF01'

YOUR PRIVATE PORTAL
INTO THE GAMESCAPE.
A DIMENSION WHERE
ANYTHING CAN HAPPEN...
AND DOES!

Zitz, Rash and Pimple...
the Battletoads!

Okay 'toads!
Let's get EVEN! When the
evil Dark Queen kidnaps your best buddy,
Pimple and the best looking Princess this side
of the Mazallion Star Cluster - what are you
gonna do about it? Are you gonna
cree! Hide! Call the Starzaps!
No way! Because you're a
BATTLETOAD and BATTLETOADS
don't cry, hide, or call for help.
BATTLETOADS get real MAD - and then
they get EVEN!

Available for:
IBM PC and 100%
compatibles,
Amiga and Atari ST.

BATTLETOADS FEATURES:

- SIMULTANEOUS 2 PLAYER OPTION.
- 12 LEVELS OF UNIQUE, AWARD-WINNING ACTION.
- 92 FRAMES OF CHARACTER ANIMATION.

IT'S FAST... IT'S FURIOUS... IT'S TOADALLY FUNPHIBIAN!

 TRADEWEST

 RARE

 MINDSCAPE

© 1992 RARE LTD. LICENSED TO TRADEWEST INC BY RARE CON-IT, INC. SUB LICENSED TO MINDSCAPE INTERNATIONAL LTD.

FOR YOUR LOCAL DEALER CONTACT

MINDSCAPE INTERNATIONAL, PRIORITY HOUSE, CHARLES AVENUE, BURGESS HILL,

WEST SUSSEX RH15 9PQ. TEL: 0444 246333 FAX: 0444 248996

85
86 87
20
88
21
89
22

FROM THE MAKERS OF THE WORLD'S BEST SELLING AMIGA MAGAZINE

The Amiga Format Annual 19

93

Past

We look back at all the big Amiga news of 1992

Present

We look back at all the big Amiga news of 1992

Future

We look back at all the big Amiga news of 1992

What a year it's been! We've seen an Amiga revolution, with new models out, the A570 CDTV drive shipping and the promise of even better Amigas to come. And it's not just Commodore that's been busy – news of amazing new hardware and software developments has come thick and fast.

To put the year in perspective and to find out what's on the cards, we're grilling all the experts, hardware and software manufacturers to find their views on where the Amiga is headed. For a year in view, plus exciting news of what's coming up, make sure you get the Amiga Format Annual.

On sale October 22 Only £3.95 Don't miss it!

A320

A·I·R·B·U·S



*On final approach to
the United States*

Developed in corporation with



Lufthansa and Deutsche Airbus

"There are times when you feel
YOU ARE TAKING PART IN A MOVIE™

ACE



TM & © 1991 ORION PICTURES CORPORATION. ALL RIGHTS RESERVED.



IBM PC . ATARI ST . CBM AMIGA

"Everybody has been waiting for RoboCop 3 and it has been well worthwhile. Graphically excellent, exactly what everyone wants."

ST ACTION 92%



"The 3d twist works amazingly well... makes RoboCop 3 the best film licence yet"
ACE

The **AMIGA** Collection
FORMAT

No.8 RRP £100

TVText

The easiest Video Titler available!

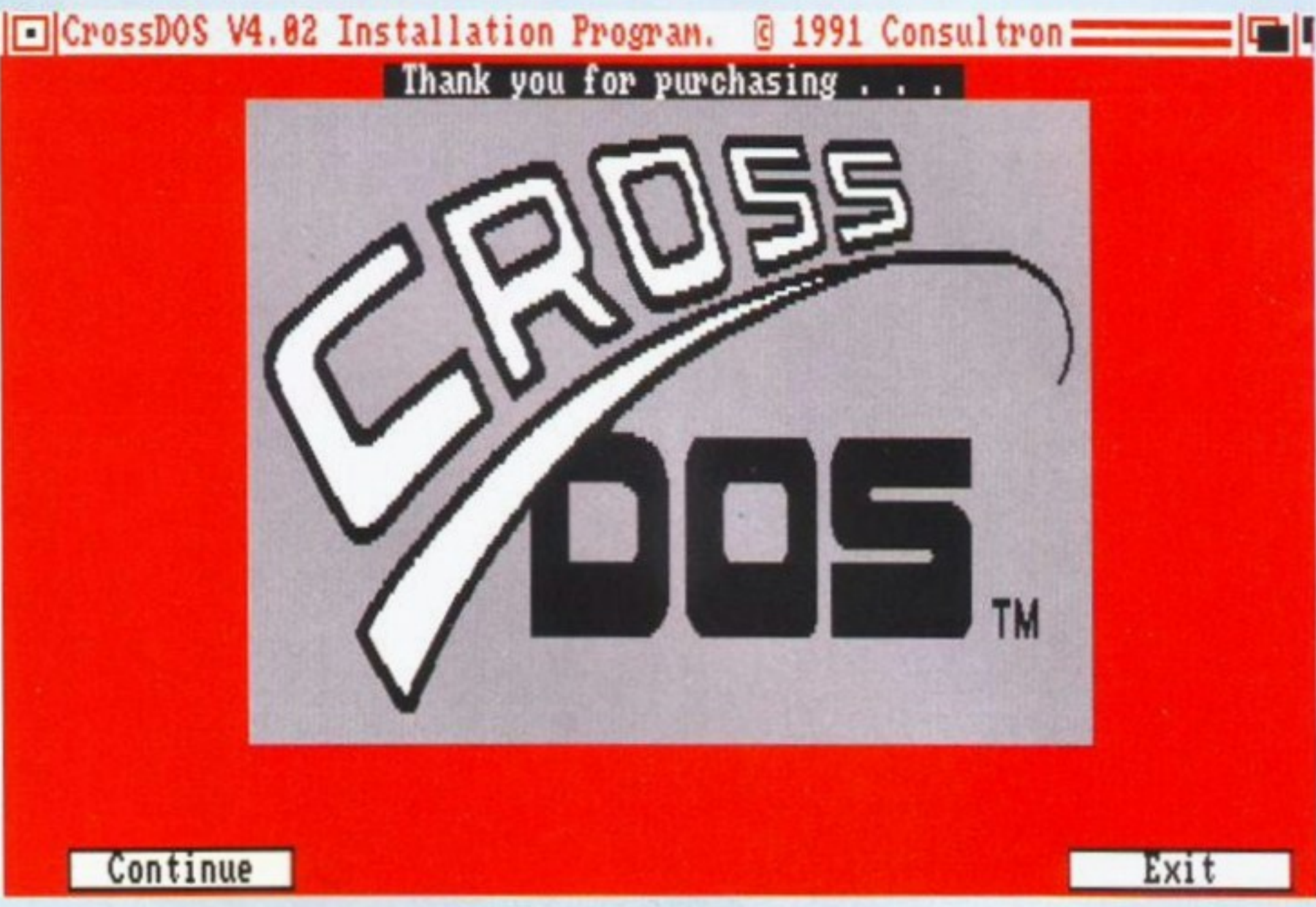
FULL VIDEO TITLING PACKAGE!
TVText: it must be the simplest way to give your videos the professional touch!

FILE EXCHANGE UTILITY!
Cross-DOS: open you Amiga up to the outside world with this excellent utility.

CROSS DOS

● A 500 Plus Compatible ● 1Mb Required ●

Part two of this month's Amiga Format Collection is a hyper-useful file-exchange utility that will enable you and your Amiga to make the most of other computing worlds. **Pat McDonald** guides the tour...



CrossDos

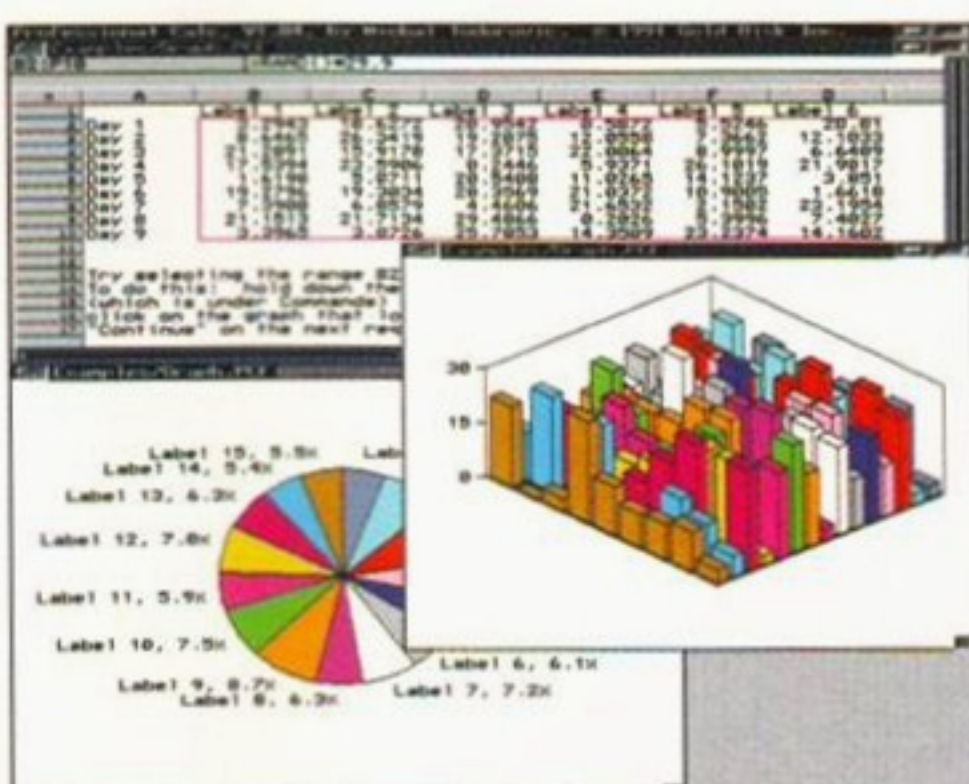
SO WHAT EXACTLY is *CrossDos*? Basically, it's a program that enables you to read from and write to disks formatted by IBM PC compatibles and Atari STs. It isn't, however, an emulator. Let's face it, the Amiga being the machine it is, it doesn't really need to pretend to be another computer, especially since the release of Workbench 2 and new programs that conform to WB2 standards. The quality of such software is so high that you wouldn't want to use anything else. So why *CrossDos* then? Well, despite the fact that the Amiga is a very capable machine,

it is not regarded as the 'standard' platform in that there are simply not enough of them around in business. The computer that rules is the IBM PC. *CrossDos* was created to help out, by enabling you to access data stored on 720K or 360K 3.5-inch disks, put there by IBM PCs. This means that people who use PCs in the office can come home to their Amigas, transfer across data from their PC disks and continue using the same data on compatible packages. By 'compatible', I mean programs that are able to manipulate files saved in alien formats.

Say you work at an office that uses the Lotus 1-2-3 spreadsheet package on a PC. Now when you've finished at the office, but still need to continue with your work, you can save it to a disk and take it home to your Amiga and use a package like *Professional Calc* which can utilise the Lotus 1-2-3-format files. The data exchange principle doesn't just stop at spreadsheet files, as you will see later. You can transfer just about anything from the PC to the Amiga using some kind of package to read the data, from word processor documents to CAD drawings.

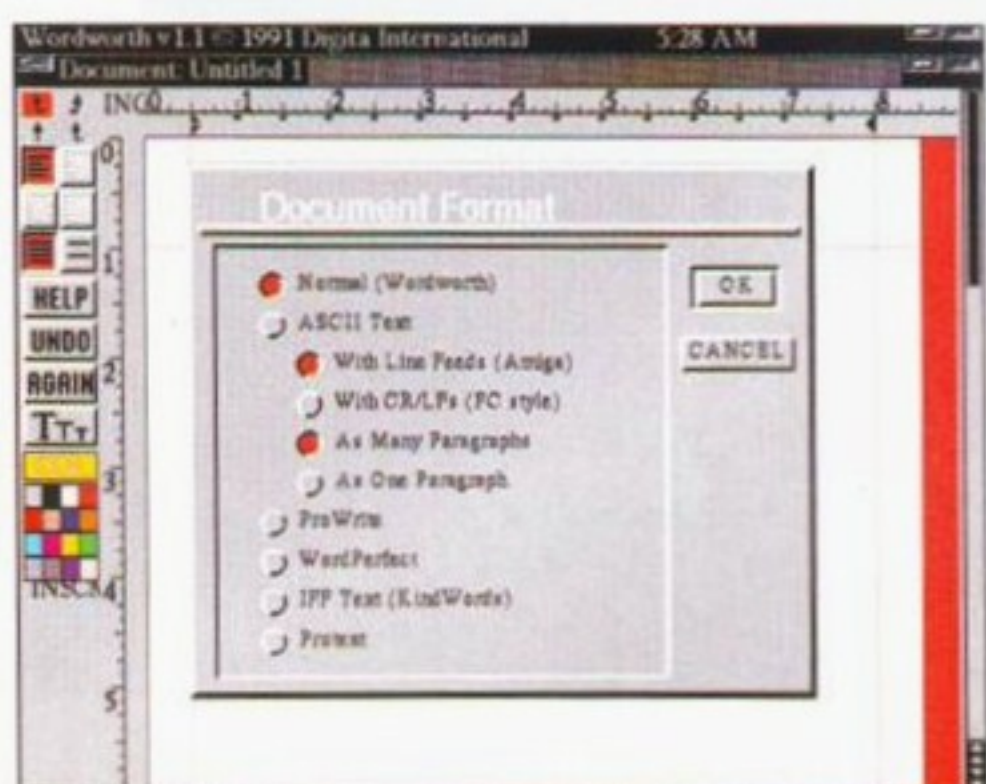
Programs and File Compatibility

So just what files can you use with what packages on the Amiga? Well, there are quite a few programs that offer you the facility to use files from PCs, STs and Macs, it just depends what you want to do. Let's look at a few categories...



The Amiga turns into a Lotus eater as it takes on files from the PC's well-popular 1-2-3 software suite.

SPREADSHEETS
Lotus 1-2-3 on the PC is a combined spreadsheet and database program. On the Amiga you can import 1-2-3 files into *MaxiPlan*, *Superbase Professional 4* and perhaps the star of the show here, *Professional Calc* from Gold Disk. *ProCalc* is probably the best spreadsheet available for the Amiga and can import Lotus files just as easily as if you were loading a standard .PCF *ProCalc* file. Apart from this, due to the Amiga interface, it is a lot easier using *ProCalc* than 1-2-3 ever was.



Use the office PC to start your Pulitzer Prize winning novel, finish it at night on your Amiga with *Wordworth*.

WORD PROCESSORS
There are loads of WPs on the PC, from *WordPerfect* to *MicroSoft Word*. The Amiga has an equivalent *WordPerfect*, so you can load files produced on the PC, and vice versa. *Wordworth* has a fair supply of import and export loaders, so you can import, edit and then save text on to a PC disk to continue work back on the PC. We use *Protext* to write for pure speed, and then convert this for use on the Apple Macintosh using *Apple File Exchange*.
Continued overleaf

HOW CROSS DOS WORKS

CrossDos works by installing a disk-drive handler and a new file system handler on to your Amiga.

The first of these, the file 'mfm.device' is installed into your DEVS: directory. This file is a drive handler that interprets the nine sector format that PC disks employ (it's different from the Amiga's), so the drive can read the disks.

The second file, 'msdos-filesystem', is installed into the 'L: handlers' directory. This takes the data the 'mfm.device' has read from the disk and translates the file format into something that AmigaDos can understand. Of course it works the other way too, when writing data to a PC disk.

Once installed, the drives can be mounted from the mountlist 'mountlist.msdosfs' that also goes in your DEVS: directory. This sets up an assignation that enables you to put a PC disk in one of your

drives and access it as you would a normal AmigaDOS disk.

For a normal disk in your internal drive you would simply refer to it as DF0:. When you put a PC disk in, if you do this, it will produce a 'NOT A DOS DISK' error, because it is of course not in AmigaDOS format. Therefore you have to access it as DI0: or whatever you have named it in the mountlist, eg PC0:.

Again if you refer to an AmigaDOS disk as DI0:, it will produce the same error. In this way, you can see that saving and loading from PC disks is transparent to the user, you just access the drive according to what type of disk is inserted.

So if you wanted to copy the entire contents of a PC disk to RAM:, from the Shell you would type: copy from DI0:#? to RAM:

There is one more consideration you have to make when writing to PC disks, in that the filenames can only be eight characters long plus a three-character extension. The format this takes is FILENAME.EXT, so if you did try to save two files with the names Filenumber01 and Filenumber02, the handler would rename your first file to FILENUMB.ER0. See the problem? By copying the second file, you would overwrite the first as it would also be renamed FILENUMB.ER0. As you can see you have to be careful here.

Finally a word about icons. Icons on the Amiga have a '.info' extension. On a PC disk this is renamed as a '.INF' file. Thankfully the filesystem handler is intelligent enough to work out if files named this way are icons or not and hence will display them in a Workbench window if required.

But *CrossDos* doesn't stop at PC disks. You can also exchange data with Macintoshes and Atari STs. How?

The Atari ST uses the same format for disks that the PC does (720K arranged as 80 tracks of nine sectors). So this means that you can use any data from an ST as well. Say you have an Amiga but no printer, but a friend with an ST does. In this case you could format a disk using *CrossDos* and save a document to the disk, take it to your friend's house, insert it into his ST and print it out.

The Macintosh comes with a utility called *Apple File Exchange*. This enables the Mac to read and write to PC format disks just as *CrossDos* does for the Amiga. Which also means that you can exchange data with the Macintosh computer too. We transfer copy from the Amiga, via a PC disk, to the Mac in this way.

As you can see, *CrossDos* is indeed a very powerful tool, and can be very useful for data exchange in lots of circumstances. See the box on how it works for more information on its

actual operation, and read the relevant bits about various programs that have data compatibility for the area of your interest.

So how do I use it? The first time you put a PC disk into your drive you will have to literally tell your Amiga that this is no normal disk, but a PC disk. The way to do this is to use the icons on the coverdisk, Attach_DI0: and Attach_DI1:. These icons automatically tell your computer to load in the device handlers from the coverdisk so your Amiga can understand the data.

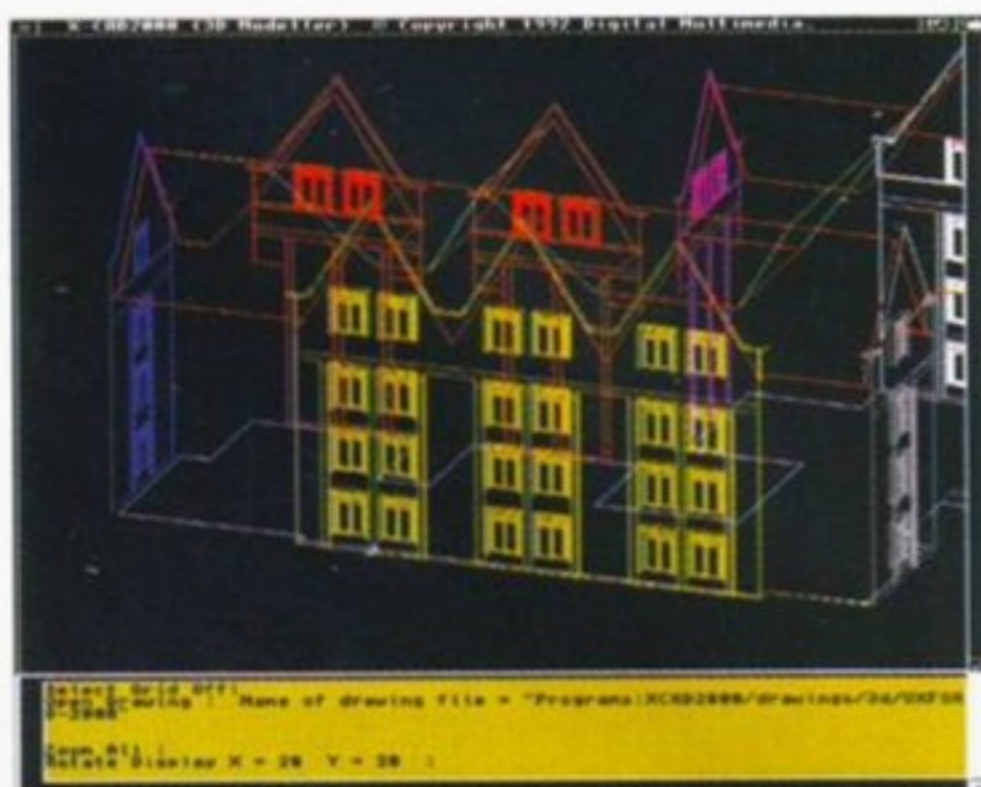
This is all very well, but advanced users may want to automate this process so you don't have to keep using the coverdisk all the time to use PC disks. In order for this to work, there are a few files that you will need to copy on to your system disk (hard drive or whatever you boot from). These are mfm.device and mountlist.msdosfs from DEVS: on the Coverdisk to your corresponding DEVS: directory, msdosfilesystem from L: on the Coverdisk to the corresponding L: directory on

your system disk. The last files you need to copy are MountMF and the two tdpach files from the C: directory on the Coverdisk to your own C: directory.

The hardest part is just a case of editing the mountlist.msdosfs and telling it where all the files can now be found, i.e. where you have placed them on your system.

Then all you need to do in order for your Amiga to mount the PC drives automatically is put the MountMF command somewhere in your startup-sequence (or WBStartup on WB2) before the loadwb command. This will automount all the available floppy drives you have as dual Amiga/PC drives. Ergo DF0: will be DI0: for the PC and all others will be DIx:, where x is the unit number of your disk drive, assuming they are connected.

There are a few more utilities on the coverdisk which will help you in handling PC disks, such as *Dr CrossDos*, and a technical reference manual for more details on how this program works. Read the Readme file for more info.



Build a house, sports complex, world domination centre of operations using CAD, *CrossDos*, an Amiga and a PC.

COMPUTER AIDED DESIGN (CAD)

In the main, the PC has the lead in this area. And the main PC format for Computer Aided Design (CAD) drawings is *AutoCAD's* DXF file format.

Not to be outdone however, the Amiga also has packages such as *X-CAD* (and now *X-CAD 2000* - turn to page 176 for the full review in this very issue) and *DynaCADD* that can import and edit these DXF files so you can manipulate drawings created on the PC.



Art Department Professional on the Amiga combined with *CrossDOS* can open up whole new worlds to you.

GRAPHICS

There are numerous graphics formats around: PC GIF files, LBM *DPaint*-PC files, PCX files, TIFFs and more. The Mac has TIFFs, PICTs, *MacPaint* files and more. STs have Degas and Neochrome files. The Amiga is well able to cope via the superb *Art Department Professional 2. ADPro* enables you to convert and manipulate all these formats apart from PICTs. For these though there is a program called *RasterLink*, which converts pictures IFFs, then into *DPaint* for editing.



PageStream page layout and *CrossDos*. Import files from Macs and PCs for some really fit looking pages.

DESKTOP PUBLISHING

As far as import modules are concerned, *PageStream 2.2* is the best. It can import graphics from the PC, Mac and ST, and can also import text from most of the popular wordprocessors across platforms. You can also load in IBM-EPS and Mac-EPS files to import into documents, and you can also save your documents as PostScript files to port over to Macs or PCs to print from if you don't have a printer connected to your Amiga.

Treat your Amiga to a new keyboard!

Your Amiga has been a great games partner. You've experienced Flight simulators, arcade actions and role playing adventures.

But now you're looking for something more than just another game.

That's why you'll

be interested in The Miracle. A complete keyboard/



Learning goes from basic through to advanced. The full course takes over a year.

software combination that teaches you how to play the piano.

Start with simple lessons. Advance up to performance standard. You're learning quickly... because The Miracle listens to every note you play and gives you personalised lessons.

Within weeks you'll be reading music... and playing better than you ever thought possible.



The Miracle keyboard gives professional quality stereo sound, either through its own speakers or the hifi. Record your own hits in The Miracle's unique 8 track studio. Take the keyboard round to a friend's house - it will work on its own or through your Amiga.



Record, overlay and mix your own creations in The Miracle's 8 track studio.

You thought it would take a Miracle to bring out the musician in you. Well... here it is.

Now available at selected Tandy stores, Argos Superstores, selected E & S retail stores and all Accredited Miracle Dealers.



THE MIRACLE PIANO TEACHING SYSTEM

"Play the piano in 3 weeks? That would take a Miracle."

PROFESSIONAL KEYBOARD
49 full size keys.
Velocity sensitive.
128 digital sounds.
MIDI interface.
Stereo speakers.
16 notes at once.

SOFTWARE
250 lessons.
Practice room.
Orchestra, Jazz and Rock & Roll backing.
8 track studio.
Arcade style lessons, Advanced lessons.
Personal tuition.
Full manuals.

ACCESSORIES INCLUDED
Cables.
Earphones.
Footpedal.
Manuals.

COMPLETE MIRACLE SYSTEM
is ready to install in under 5 minutes and costs

ONLY £299 inc VAT



Mindscape International Ltd, Priority House, Charles Avenue, Burgess Hill, West Sussex, RH15 9PQ Tel: 0444 872234 Fax: 0444 248996

93% 'AMIGA FORMAT' 'IT'S AN EXCELLENT SYSTEM... GREAT VALUE!'

CUT OUT THIS COUPON AND POST IT IN AN ENVELOPE TO: FREEPOST, MIRACLE SALES DEPT., MINDSCAPE INTERNATIONAL LTD, PRIORITY HOUSE, CHARLES AVENUE, BURGESS HILL, WEST SUSSEX, RH15 9PQ

YES, TELL ME MORE ABOUT THE MIRACLE.

NAME _____
ADDRESS _____
POSTCODE _____
TELEPHONE _____



the latest

AMIGA technology

acknowledged experts



AMIGA FLOPPY

DISK DRIVE VERSION

Available as either...

Pack with **Deluxe Paint III** and a **MYSTERY** game

But only whilst stocks last

at just... **£269⁹⁵**

OR AMIGA FLOPPY

DISK DRIVE VERSION

WITH A NEW...

WICKED SOFTWARE **PACK**

• PUSHOVER

• SILLY PUTTY

MICRO PROSE GRAND PRIX

• DELUXE PAINT III

at only... **£319⁹⁵**

AMIGA 20Mb HARD

HARD DRIVE VERSION

WITH A NEW...

EPIC SOFTWARE **PACK**

• EPIC • MYTH • ROME

• DELUXE PAINT III •

• TRIVIAL PURSUIT •

TRIPLE LANGUAGE VERSION (French, German, English)

MULTI LANGUAGE

• DICTIONARY •

AMIGATEXT WORD

PROCESSOR

at only... **£459⁹⁵**

If you want a DIFFERENT SIZE hard drive simply ask for the price!

The Amiga 600 comes ALIVE...

All Harwoods new A600's are United Kingdom specification and include the following features...

1Mb. Disk Drive, 1Mb. RAM, 4096 Colours, Integral TV Modulator, Mouse, Workbench Disks, Manuals, PLUS all Leads - AND... **FREE 1 YEARS 'IN HOME SERVICE'**



POWERPLAY

THE GOLD PACK

SPECIAL EDITION

ADD our great **GOLD POWERPLAY PACK** to your order for only...

- an A600 Dust Cover
- Mouse Mat
- High Quality Competition Pro 5000 Joystick
- 10 Blank Disks & a Disk Library Case
- Plus 18 Great Games...

£39⁹⁵ INC VAT

Bloodwych • Bubble+ • Captain Blood • TV Sports Football Hostages • Jumping Jackson • Lombard RAC Rally Krypton Egg • Lancaster • Strike Force Harrier • Eliminator Purple Saturn Day • TinTin on the Moon • Skychase Safari Guns • Xenon 2 Megablast • Stir Crazy • Skyfox II

why not buy your Amiga A600 with a FULL 2Mb. for just £39.95 extra

AMIGA 600 20Mb HARD DRIVE AND 2Mb RAM harwoods POWER-PRO THE ULTIMATE ENTERTAINMENT SYSTEM and professional PACK

Amiga 600HD with 20Mb Hard Drive & 2Mb RAM
 Philips CM8833/II* Stereo Colour Monitor
 and a new Swift 200‡ Colour 24pin Printer
 Including a complete set of 3 tailored dust covers
 *Replace the CM8833 with a Philips Monitor TV for only £39.95 extra.
 ‡Prefer an alternative printer? Simply pick another one & pay the difference [see page 3]

AND...
 NEW Final Copy II...The Best Amiga Word Processor/Publisher Superbase, database Superplan, spreadsheet Deluxe Paint III, Amiga Text, Multi Language Trivial Pursuit & Dictionary (French, German, English), Three Great Games..... Epic, Myth and Rome. NOW complete with our fantastic Powerplay Gold Pack

£999⁹⁵ INCLUDING VAT

If you want a DIFFERENT SIZE hard drive simply ask for the price!

0773 836781

*Finance Facilities Available,

from the

0773 • 836781

If you want the POWER, then look no further...

Harwoods have put together some great top of the range Amigas that will fit the bill for even the most demanding Amiga user.

We've taken the powerful A1500 and tuned it into something extra special with a massive 120Mb. Hard Drive and 3Mb. of RAM, but if that's not powerful enough just look at the specification of our Amiga A3000 pack... and note the price. WE'VE GOT THE POWER!

AMIGA
1500
TWIN FLOPPY DRIVES
3Mb

THE LATEST
workbench
VERSION
2 OPERATING
system

But more than an ordinary 1500...

THE SPECIFICATION:

Fitted with a 120Mb. GVP Hard Drive

Twin 3.5" Floppies

3Mb RAM INSTALLED

PLUS SOME GREAT SOFTWARE...

Toki • Elf • Puzznic
• Home Accounts •
• Deluxe Paint III •
• The Works •
and the book
GET THE MOST
OUT OF YOUR
AMIGA 1992

£999⁹⁵
inc VAT

Phone for prices on other spec. A1500's

AMIGA
THE CDTV
PACK

MULTIMEDIA AT HOME

THE NEW AMIGA CDTV MULTIMEDIA PACKAGE HAS THE LOT

INCLUDING

CDTV Player, Keyboard, Infra-Red Mouse, 3.5" Disk Drive, Workbench Disks, Welcome CD, and Remote Controller

ONLY £579⁹⁵
INC VAT

RAM UPGRADES

AMIGAS	
A500 1/2Mb £29.95	A500+ 1Mb £39.95
A600 1Mb £44.95	
All RAM expansions inc. Battery Backed Real Time Clock	
SIMMS FOR GVP'S	
HC8 & HD8 Drives add RAM in 2Mb. increments	
1Mb Simm £22.95	4Mb Simm £89.95
32-Bit SIMM for GVP Accelerators [min. 2Mb. increments]	
1Mb x 32Bit £52.95	4Mb x 32Bit £152.95

AMIGA
3000
2Mb

Latest Workbench 2
25MHz. - 2Mb. RAM
52Mb. Hard Drive
3.5" Floppy Drive
Including...

FINAL COPY II
and AMIGA VISION

ONLY £1299⁹⁵
inc VAT

available with a 105 Mb. Hard Drive
ONLY £1479⁹⁵
inc VAT

free on site maintenance

AMIGA 3000 MONITORS
14" COLOUR SVGA

CBM1935 £265⁹⁵
.28" dot pitch

CBM1960 £429⁹⁵
Multiscan
.28" dot pitch

cd ROM
DRIVE for A500+
use music cd's & CDTV
titles on your A500 Plus
Only... £329.95

AMIGA
ENTRY CDTV
SYSTEM
MULTIMEDIA

CDTV player with Welcome
Disk, Remote Controller,
Hutchinsons Encyclopaedia
and the great game Lemmings

ONLY £479⁹⁵
inc VAT



philips
monitors monitor TV's
GOLD DISCOUNT

Add a CM 8833/II monitor or a Monitor/TV when buying your Amiga and pay the low PHILIPS GOLD DISCOUNT prices to save even more!

CM8833/II
£194.95*
MONITOR/TV
£229.95*

[*only when purchased with an Amiga*]

philips
monitors
CM8833/II

14" stereo
COLOUR
with a
FREE
cable &
and dust
cover +
In-Home
Service

NOW with a
FREE game:
LOTUS TURBO challenge 2
£199.95

15" Monitor/Television

Pro' 2000 definition RGB colour Monitor/TV,
FASTEXT Teletext, Infra Red Remote,
Satellite and Video Connections, Headphone
Socket, 2000 Character Higher Res Tube

GREAT VALUE
£239⁹⁵
inc VAT

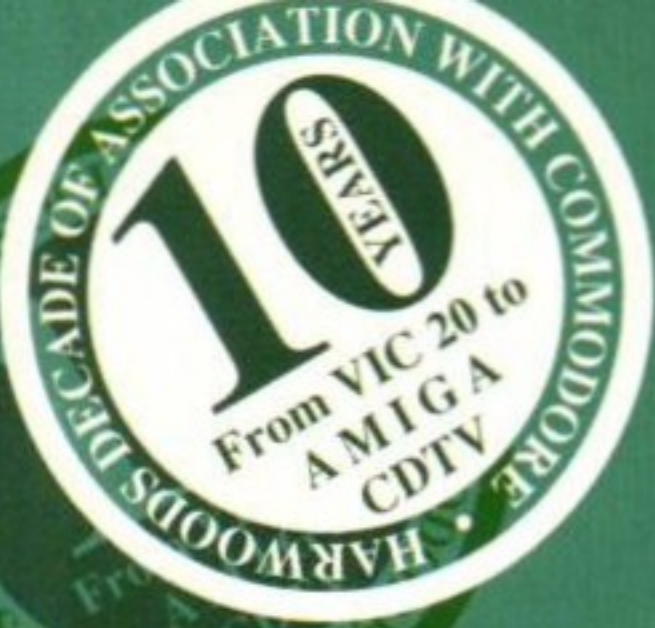
only...
Includes a FREE
cable to your
AMIGA

philips
display

4watts MEGA SOUND

*Finance Facilities Available,
please contact us for your personal information pack

GORDON HARWOOD
Computers



the extensive range of peripherals and software

EXPAND your system...

and get MORE from your AMIGA

If you've got an Amiga why not get THE MOST from it....

because it's so easy to attach our add-ons and use some great software, you can quickly get to grips with anything. From Graphic Design, Desk Top Publishing, Video Mixing and Music Composition to many useful business programs such as Word Processors, Accounts, Spreadsheets, Databases etc.

You can add advanced technology such as fast Hard Disk Drives for quick access to data, Genlocks & Video Digitisers to import and manipulate images, Sound Samplers to help you with your musical talents and Printers to enable output of your 'your creations'. With a whole lot more available, you too can...

EXPAND YOUR AMIGA - EASILY!

AMIGA PRINTERS

DOT MATRIX
INKJETS AND
LASERS

All our printers are supplied for immediate use including a cable, paper and labels FREE OF CHARGE.

Dot matrix models come with a tailored dust cover. We also include our specific Amiga driver disks for Citizens, Stas and Canons. ALL Citizens have 2Yr Warranties

9 PRINTERS

PIN 9 PIN DOT MATRIX

- STAR LC 20 MONO £134.95
- NEW STAR LC 100 COLOUR £164.95
- STAR LC 200 COLOUR £194.95
- CITIZEN 120D+ MONO £124.95
- CITIZEN SWIFT 9 COLOUR £179.95

24 PRINTERS

PIN 24 PIN DOT MATRIX

- STAR LC 24/200 COLOUR £269.95
- CITIZEN SWIFT 200 MONO £209.95
- CITIZEN SWIFT 200 COLOUR £239.95
- CITIZEN SWIFT 240 MONO £249.95
- CITIZEN SWIFT 240 COLOUR £269.95

HIGH RES PRINTERS

HIGH RESOLUTION

- STAR SJ48 INKJET £209.95
- CANON BJ10ex INKJET £224.95
- CANON BJ20ex INKJET with automatic sheet feeder £319.95
- HP DESKJET 500 MONO £369.95
- HP DESKJET 500 COLOUR £559.95
- HP PAINTJET COLOUR £679.95
- STAR LASERS FROM... £749.95

GENUINE PRINTER ACCESSORIES CONSUMABLES AND UPGRADES

PRINTER	PRINTER TYPE	BLACK RIBBON	BLACK RIBBON 'SIX PACK'	COLOUR RIBBON	COLOUR RIBBON 'SIX PACK'
CITIZEN 120D+	BLACK ONLY	£4.75	£22.95	N/A	N/A
CITIZEN 124	BLACK ONLY	£4.75	£22.95	N/A	N/A
CITIZEN SWIFT 9	BLACK/COLOUR	£4.75	£22.95	£16.45	£94.95
SWIFT 24/24E/224	BLACK/COLOUR	£4.75	£22.95	£16.45	£94.95
STAR LC10*/20P	BLACK/COLOUR	£4.45*P	£23.95*P	£5.95*	£34.95*
STAR LC200	BLACK/COLOUR	£5.95 ZX9	£32.95 ZX9	£12.45 ZX9CL	£64.95 ZX9CL
STAR LC24/200	BLACK/COLOUR	£6.95 Z24	£39.95 Z24	£12.95 X24CL	£69.95 X24CL
STAR XB RANGE	BLACK/COLOUR	£8.95 Z24	£49.95 Z24	£14.95 X24CL	£74.95 X24CL
STAR SJ48 INK CARTRIDGE	BLACK ONLY	Also compatible with Apple Stylewriter and Canon BJ10ex Bubblejet			£15.95ea.

Citizen 80 Column 924Pin Colour Kit Suits ALL models except 124 £37.95
 Hewlett Packard Original Consumables DESKJET 500: Black Ink cartridge (Double Life) £21.95 Col. Ink Cart (Std) £25.95
 PAINTJET: Black Ink Cartridge £22.95 Colour Ink Cartridge £24.95 Single Sheet Paper £20.95 2-Fold Paper £18.95 Transparency Film: Pack of 50 Sheets £32.95
 AUTOMATIC SHEET FEEDERS for ALL Star & Citizen 80Column models Only...£69.95 (please state model when ordering)

HARD DISK DRIVES

with 2yrs warranty
A500 and PLUS Simply plug in to the Amiga sideport

HD8 Hard Drives

RAM	52Mb.	120Mb.
0Mb.	£339.95	£439.95
2Mb.	£379.95	£479.95
4Mb.	£419.95	£519.95
8Mb.	£499.95	£599.95

A530 Combined Hard Drive and 68030 Accelerator

RAM	52Mb.	120Mb.
1Mb.	£659.95	£759.95
2Mb.	£699.95	£799.95
4Mb.	£799.95	£899.95
8Mb.	£979.95	£1039.95

68882 Maths floating point unit for A530's £219.95

AMIGA internal 1500 2000 HARD DISK DRIVE

HC8 Hard Drives

RAM	52Mb.	120Mb.
0Mb.	£279.95	£409.95
2Mb.	£319.95	£449.95
4Mb.	£359.95	£489.95
8Mb.	£439.95	£569.95

AMIGA HARD DRIVES

- 20Mb. Only... £199.95
- 60Mb. Only... £299.95
- 80Mb. Only... £349.95

Prices include courier collection & return of your Amiga, installation & a full 12month Gold Warranty for both your drive and Amiga.

600HD Owners, trade up your 20Mb. Hard Drive! Phone for details.

CUMANA 3.5" floppy drive

with free disk head cleaner
 -LONG CONNECTING-CABLE - THROUGHPORT -

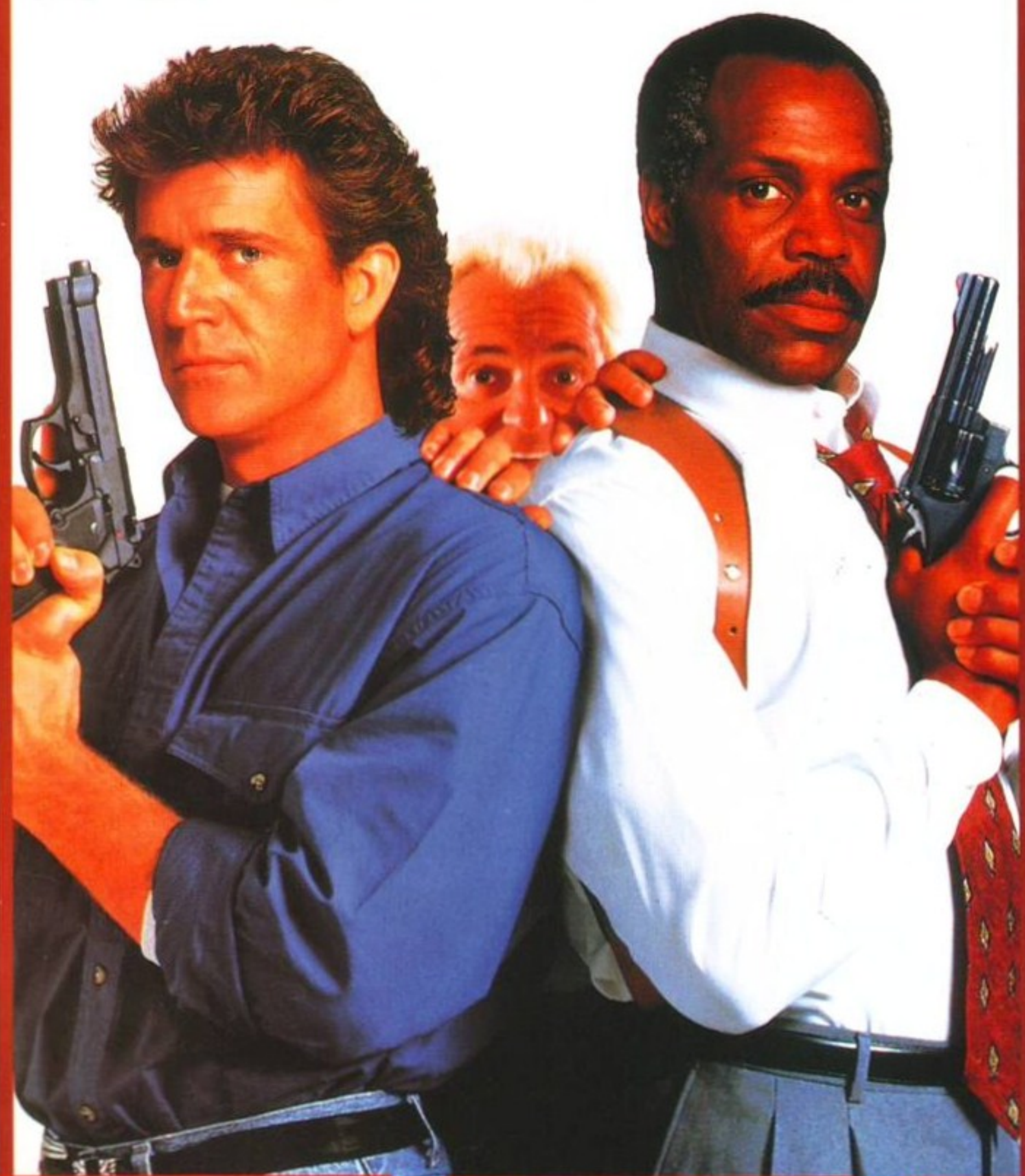
£52.95

0773 836781

*Finance Facilities Available,

LETHAL WEAPON

TWO COPS - BOTH LETHAL



A multi-level shoot 'em up based on aspects of all three LETHAL WEAPON movies. You can choose to be either one of the two high fire-power cops... each having his individual strengths - and weaknesses! There are many missions to complete including the rescue of a kidnapped girl, the pursuit and arrest of drugs runners, finding and arresting a police murderer, plus many more. You choose the level to



suit your objectives within the game-play.

IT'S MEAN FAST AND... LETHAL!

ATARI ST
AMIGA
IBM PC &
COMPATIBLES

ocean[®]

COMMODORE
CARTRIDGE

LETHAL WEAPON, LETHAL WEAPON 2, and LETHAL WEAPON 3 names, characters and all related indicia are trademarks of Warner Bros. Inc. TM & © 1992 Warner Bros. Inc. All Rights Reserved.

Screenplay

Into games? Then look no further. This is the part of the magazine where you'll find out what's really happening on the games-scene. Everything from the hottest hits to the duffest disks get the Third Degree from our reviewers.

SIZE IS EVERYTHING

As you probably already know, you're now reading the biggest-selling computer magazine in the UK – that's not just Amiga, that's every format. **Neil Jackson**, Screenplay's Editor explains why this is good news for you.

"It's true! Unbelievable, but true. We've been at the top of the computer magazine-charts before, but now things are getting silly. An breath-taking 161,256 people read *Amiga Format* every month, and the figure is rising.

We can understand why – we've always been straight with our readers, and they've always headed straight for us – but we still can't begin to comprehend just how big the Amiga market is getting.

For instance, did you know that *Amiga Format* is now the biggest magazine in the male-interest market?

We outsell car mags, hi-fi mags and music mags month after month.

But this means we have a massive responsibility to you, our readers. You're the biggest collection of games-playing people the world has ever seen, and you're worthy of the best.

So we have a few strict in-house rules which make sure you always get what you're entitled to:

- (A) If it ain't finished, it don't get reviewed
- (B) If it's garbage, we say so, no matter what the softies think of us
- (C) If we have to take sides, it's always your side we take.

THE REVIEWERS

We've been busy like you'd never believe this month, but still we all manage to find time for a few relaxing games outside work. Here's what's keeping the troops happy this month...

CLARE HODGSON

"I've been playing my favourite of favourite shoot-em-ups, *St Dragon*. It's lovely. It's got lots of winding tails and shiny jaguar thingies and you kill everything a lot. 'Sgreat."

ANDY NUTTALL

"Sensible Soccer, without a doubt. Quite a lot actually. In fact I think I've been playing it far too much for my own good. What day is it?"

ASAM AHMAD

"Zool, mate, that's what I've been playing. Why? 'Cos it's really slick, just like my hair."

JAMES LEACH

"Sorry, I know I'm a sad old git and all that, and I haven't changed my mind for months, but I'd still kill for a few laps of *Formula One Grand Prix*."

ED RICKETTS

"I've been messing about with the course of history, me. Give me an hour or two, a copy of *Civilization*, and that's me hooked for days."

NEIL WEST

"I'd have to disagree with Asam – his hair may be like an oil-slick, but *Zool* is even slicker. Slickening, really, innit?"



Hook-up and party on

There's a certain type of game that nobody can call anti-social – the kind where loads of people play on specially-linked Amigas. Are hook-up games the future of entertainment? How can you join the new revolution? To find out, flip to...

Page 66

THE BEST OF THE REST – THIS MONTH'S TOP TITLES

RoboSport



This storming new multi-player hook-up game from Maxis takes everything they learned from *Sim Earth* and dumps it out the window. *RoboSport* is faster, brighter and more aggressive than anything they've done before. And what's more, it's got room for real people to fight real battles against each other. The war starts on...

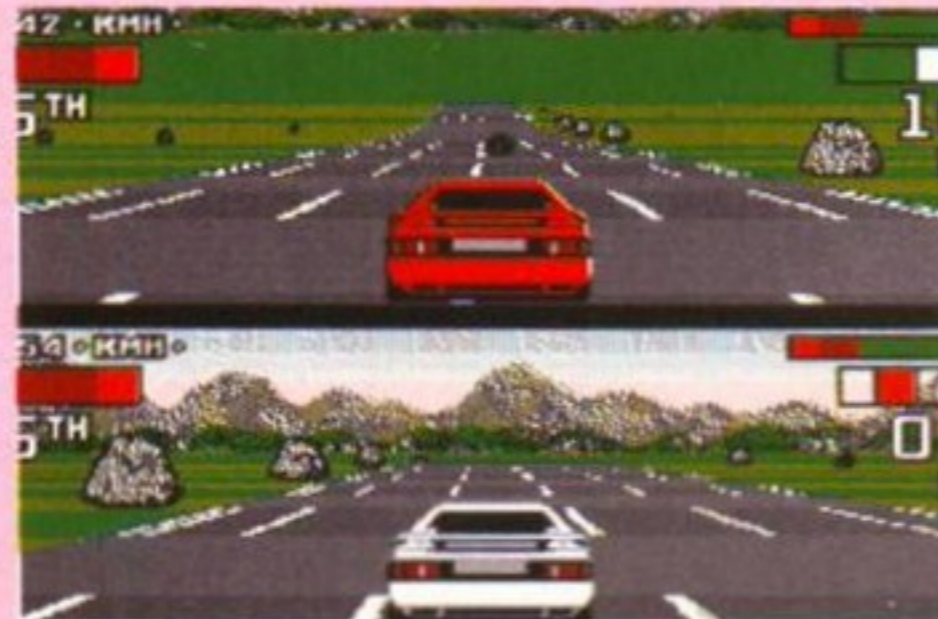
Page 70

Putty



True blue and bouncy too, *Putty* is Commodore's own choice for the new A600 pack. Have they picked a winner with System 3's new blobby baby? Will it help the Amiga leap to even higher heights? Check out what we made of the sticky blue ball, as we pull all the fluff off it and stretch a point too far on...

Page 82



Lotus: The Ultimate Challenge

As the first of Gremlin's new racers takes to the streets we take it for a road test. Is it a *Crazy Cars* beater, a *Jag-jostler*, or just a *Skoda* in *Esprit's* clothing? Put your pedal to the metal and hang on round the bends, as we spray a few gallons of gas on...

Page 72



James Pond's Aquatic Games

Millennium's fish-like secret agent spins off into the crazy world of damp Olympics. There's plenty of fun and flipper-wagging to be had but is it as good as *Robocod 2*? We go swimmingly to...

Page 94

Everyone knows computer games are fun, but wouldn't they all be more fun if you had the satisfaction of playing and beating friends instead of a half-wit machine? **Neil Jackson** discovers that sociable games-playing is the way forward for the Amiga.

Hook-up and play



The one thing you can't say about hook-up games is that they're antisocial. Rowdy, competitive and highly entertaining for up to four people, yes, but anti-social? Never!

You've probably heard all the arguments against computer games so many times it makes you sick: "They encourage reclusiveness," say the psychotherapists (eager to make parents worry about their poor kid's grey matter and force them to book some appointments). "The addictive nature of some games is as bad as drugs," say the doctors (who seem to love applying their doom-laden medical lingo to inanimate, inconsequential, but never intravenous, computer equipment). "They turn children into violent, homicidal maniacs who look upon death and destruction as the primary solution," say the worried parents (anxious that their young'un isn't going to turn into a Michael Ryan or some other travelling psychopath). Why is everyone "on the outside" so hung up about computer games? Because most of us "do it" on our own, that's why.

That's the biggest problem society really has with computer games. Most of us know just what to expect from a game and we're happy to enjoy it with the same level of belief that we reserve for Neighbours, but with a far

greater level of involvement. The remainder of society, (generally the computer-phobics and the techno-illiterates) look in in disbelief because we're not 'communicating' with each other, and there's this worrying absence of 'social interaction'. Cobblers! Nobody moans about the amount of time people spend propped up in front of the telly anymore (though they used to years ago), and computer-users are generally far more discerning about

the material they watch or use. How many hours of society's time is wasted by people watching trash on the box because "there's nothing else on." Probably millions, but nobody says anything anymore because we're all used to it.

The new generation

And now we enter the new regime of computer gaming: plenty of TV airtime devoted to computer games, and new programmes being planned every month as the TV companies attempt to tap the market that's always been there, but they've been too busy to notice or take seriously. The age of the computer-spotty is almost gone. The 13 year-old kid with his face full of acne and his anorak pockets full of cassettes is no more - we've moved into an era of pony-tailed ad-men playing hand-helds on tube-trains, and middle-managers playing *Leisure Suit Larry* on the office PC when the MD's not looking. But still the image of computer games as mind-rotting, antisocial diseases persists.

When you think about it, it's easy to see why this myth continues. But still there are precious few really sociable games that people can get together and play. Your granny (who's probably not exactly a whizz with *Wizkid*) may harken back to the days where "the whole fam-

HOW DO HOOK-UP GAME WORK

The method behind hook-up games might seem complex, but is actually not that difficult for a programmer to do. When separate machines are connected together via a modem or a null-modem cable, data can be passed from one machine to another at high speeds. Both computers run identical copies of the game, and each one receives and transmits data along the connection.

The data transmitted by each computer is limited to simple information about the player's current position, the direction he is facing or moving in game world, and perhaps a bit of synchronisation data (which keeps the computers running at the same game-speed). Other information transmitted may consist of data about the player's action - such as the fact that he's crashed or is firing a weapon.

At the other end of the connection, your opponent's computer is gathering the data you're

transmitting and doing a few quick tests on it. Has your transmitted position effectively moved you to a spot which your opponent can see? If it has, then your opponent's software draws you on to his screen, just like any other in-game baddy. If not, the opposing computer ignores you. If you're firing, your opponent's machine works out whether he can see the bullets, and whether he's been hit, and incorporates this into his display. At the same time, the other machine is sending the same kind of information to you, and your software updates your display. In this way, only small chunks of data get sent over the cable thus minimising the amount of computing time needed to work out where everyone is in the game-world. The computers only actually bother about human-enemy positions when they're within visual range of each other - the rest of the time the game functions just like it does in one-player mode.

The Unofficial Amiga Format Top 16 Hook-up Games

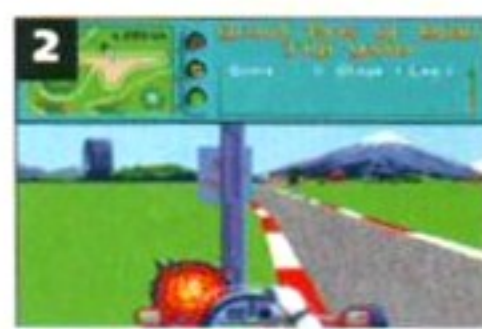


1

Air Warrior

ONLINE ENTERTAINMENTS (081 536 6763)
Undoubtedly the best telephone hook-up game ever. You'll need a modem, but up to 40

people can fly this incredible simulation at once.



2

Vroom

UBISOFT
The other classic formula one-style racing game. But with this one, plus a null-modem link, two players can battle it out head-to-head on all the major circuits of the world.



3

Lotus 2

GREMLIN GRAPHICS
Peachy street-racing action for one, but with a null-modem link, up to four players can tear off down the highway. A

real party game, much loved by off-duty policemen.



4

DynaBlaster BomberMan

UBISOFT
A crazy, exploding variation of PacMan, this classic game enables up to five people to play using the supplied four-player joystick adaptor.



5

RoboSport

OCEAN/MAXIS
Paintball skirmish meets the Amiga in this incredibly versatile hook-up game. With a null-modem link, a modem or an Ethernet add-on, up to four people can play.



6

Falcon

DIGITAL INTEGRATION
Superb dogfighting action is yours for the taking in this excellent flight simulation. With a null-modem link, two rival players can fight each other head-to-head.



7

Stunt Car Racer

MICROPROSE
Stock car-style destruction meets ski-jump circuits in this alarmingly realistic hook-up. Using a null-modem link, two

players can race each other on the same track.



8

Flight of the Intruder

MIRRORSOFT
From the makers of Falcon, this Vietnam-based simulation offers two-player head-to-head dogfighting when connected via a null-modem link.

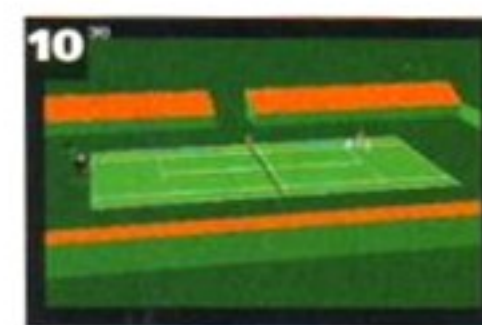


9

MiG 29 Super Fulcrum

DOMARK
A complex but exhilarating flight simulation featuring a null-modem link which enables two

players to go dogfighting head-to-head.



10

Tennis Cup 2

UBISOFT
Relive the excitement of the Wimbledon Mixed Doubles with this sports-style hook-up. You have to supply the four-player joystick adaptor and the strawberries and cream.



11

Populous 2

ELECTRONIC ARTS
The sequel to the game below: Populous 2 contains many of the same features, better done. Also comes with a

modem or null-modem link, for two player action.



12

Populous

ELECTRONIC ARTS
The Bullfrog's original god-game comes with a modem or null-modem option which enables rival deities to wreak havoc on enemy subjects and save their own souls.



13

Powermonger

ELECTRONIC ARTS
The Bullfrogs move from gods to guns in this multi-player war-game. It uses the same modem or null-modem link to

enable two players to go to battle against each other.



14

Global Effect

MILLENNIUM/EA
A strange type of hook-up, where Sim City meets global warming over a null-modem link. Two players battle for global supremacy whilst attempting to save the planet.



15

Bug Bomber

DMI DESIGN
Another four-player hook-up modelled closely on UBISOFT's Dynablaster. It also uses a four-player joystick adaptor to

enable mass-destruction in a party-style atmosphere.



16

Stormball

MILLENNIUM
This Tron-style game of whirling balls and hovering skateboards uses a null-modem link for two player head-to-head action. It is fast and furious, but that's about it.



ily used to gather around the piano and sing songs together", with tears in her eyes as she watches you trying to beat the fifth end-of level beastly on *Apidya*. And we can hardly blame her – the last words you probably said to her were "hmmm, yeah. Damn! Missed him", or something similar – not the epitome of sociability really.

Two's company Three's a party

If you look hard enough (or just glance around over the next few pages) you'll find there is a hidden wealth of human-vs-human fun that you can have with your Amiga. Two-player games have been around since the earliest *Boot Hill* and *Pong* coin-ops (though the trend has moved away from head-to-head action towards the ubiquitous one-up, two-up style which is less exciting), and there are oodles of shoot-em-ups that offer the chance to beat your mates. But the really good multi-player games are the ones they call 'hook-up' games – where two or more players play against each other in real-time using several computers linked together by a cable.

The principle is simple: instead of sharing the same computer, each player gets a whole

Continued overleaf



The things people do to get linked to their Lawn-mowing simulators! Fortunately, you don't have to go to these lengths to get hooked-up to your Amiga. Usually a short, five-quid cable (and a friend) is all you need.

screen-full of game which is his view of an imaginary game world. Other players enter that game world using their own machines, and their respective alter-egos slug it out. With a hook-up game, your opponents could be just the other side of the desk or a hundred miles away on the other end of a phone – it doesn't matter. The thing which really matters is that you're 'interacting' with real people. Then no-one can say you're being antisocial.

Anyone who's ever played a hook-up game will tell you that there's a world of difference between them and the normal type of games we play on computer. The tension is

greater, because the person controlling your enemies is less predictable than a computer-controlled enemy. The outcome of a battle or a competition really matters, because we all want to prove that we're better than another person – computers are, well, they're just computers. The whole hook-up phenomenon is centred around being able to compete in events

that generally we could only dream of entering. How many times have you wished you could beat your best pal on a race track? How often have you done it for real? With a hook-up game, you can do it in your living

room, and even have a beer or two before you get behind the wheel. Surely an experience shared by a group of people, one which they could never hope to share in real life, is far more valuable than just going down the pub?

The games of the future?

It's still early days for hook-up games. We've seen a fair few over the last few years, but we're still a long way from being able to fend off the "computers-are-evil" cynics. If we're ever going to shift the negative image that computer games have, we need more team-related games, where huge groups of people can get together and play with (as well as against) each other. Computer games have already replaced pop music as the top teen-culture (though the record labels try in vain to deny it), and the kids are going ape-crazy over the new breed of consoles, all of which hook-up to each other and offer multi-player fun.

And we all know your average Amiga makes a console look about as radical as a digital watch, so why aren't there more adult-oriented hook-ups for the Amiga? There's a whole world of Amiga-owners out there with the best technology available for the job – and yet the first thing software houses drop when they realise they're late on their deadlines is – you

“How many times have you wished you could beat your best pal on a race track?”

guessed it – the multi-player hook-up option. You only have to look as far as *Formula One Grand Prix* or *Lotus: The Ultimate Challenge* to realise we're being short-changed.

The future, as rosey as it looks for

computer games at the moment, is dependent on demand, but the softies seem not to be listening too attentively to our cries for more.

But sooner or later, they'll realise that the way to make computer games really become the mass-market products they all want them to be, is by turning them into social events with mass appeal.

Can you imagine a whole pub full of people all playing a multi-player version of *Zool* at once? Or a Saturday afternoon spent participating in the *European Football Championships* – on a network of Amigas? It's not that far away, and plenty of people are realising that they already own enough equipment to make it happen now. Why not join in the fun? You don't need tons and tons of expensive new gear – generally a cable and a decent hook-up game is all you need. So call up a few friends, get some beer and peanuts in, and start the revolution. ☺

WHAT KINDS OF HOOK-UP CAN I PLAY?

Null-modem games

The most common style of hook-up game, these require only a null-modem cable and enough copies of your chosen game to run on each machine. A null-modem cable is similar to the lead you use to connect to a normal telephone modem, except that a couple of wires are swapped around internally. These cables are usually fairly cheap, and you shouldn't need to spend more than a fiver on a reasonably lengthy one.

Usually null-modem games are designed for two players, each using a separate Amiga, although *Lotus 2* enables four players (two per machine) to race at once using a split-screen. Often you can link different makes of computer together to play the same game (Amiga to PC, Amiga to Mac and Amiga to ST), so you're not necessarily limited to playing against just fellow Amiga-owners.

Your competitors are generally in the same room; they actually can be as far away as the length of your null-modem cable. Often, the best set-up is to have two monitors positioned back-to-back so that competing players can't see their opponent's screen.

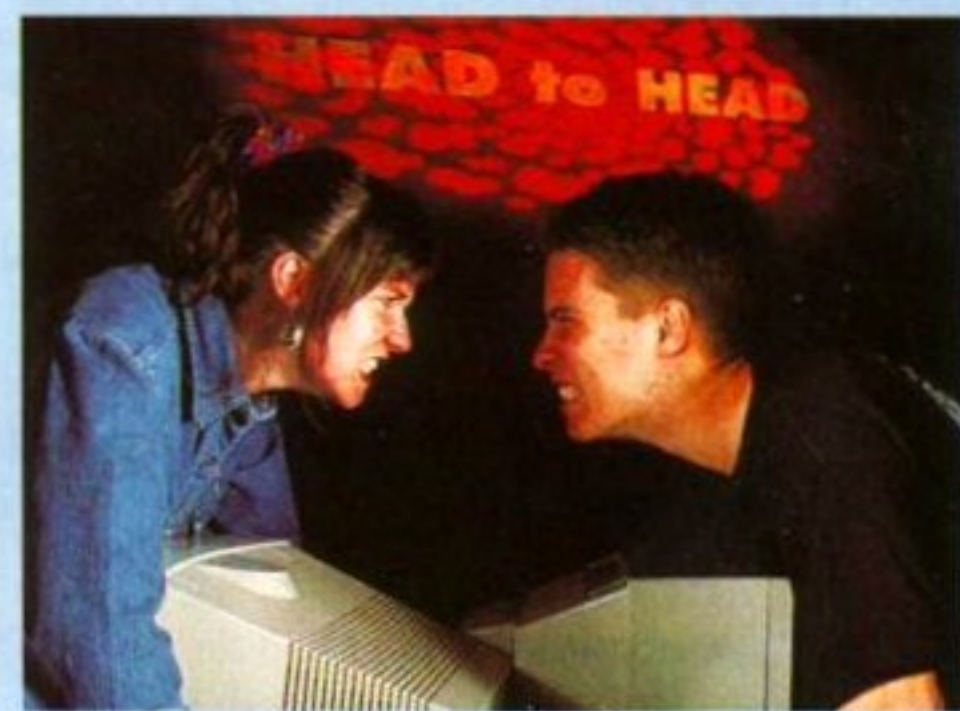
Modem games

Modem games always require a telephone (and consequently a telephone bill) and a modem (which turns the game's linking data into tones that can be sent over the phone lines). There are basically two different styles of modem game and one is more expensive than the other.

Some null-modem games (like *Populous*, *RoboSport* and *Falcon*) double as modem games too, enabling you to phone up your mate in Edinburgh and play against him over the phone lines. He also needs a copy of the same software (though not necessarily on the same type of computer), and one of you has the responsibility of the phone bill. You see your opponents actions on-screen in exactly the same way as you would if he was on the other side of the table linked by a null-modem cable.

The other kind of modem game is the commercial type, run by a professional business or a good bulletin board. In this case, you dial up the main game-controlling computer and use special game software to link you into to it. In many cases you need a subscription to the bulletin board or host computer, or you won't be allowed to play – this kind of information is generally found the first time you log on. The best professional multi-player modem game in the UK is *Air Warrior* (part of the OnLine Entertainment computer system which now comprises four different kinds of multi-player game – see the Games News pages for more information), but there are a few others run by bulletin board operators around the UK, Europe and the USA.

With modem games, competitors can be located anywhere in the world, as long as they have access to the phone line. You never see your opponents in real-life, only in the virtual world of the computer game, but often you are able to chat with them by typing on your keyboard, and



You don't have to end up squabbling over who's paying the phone bill. Some hook-ups are cheap to play.

your messages are passed using special communication channels built-in to the game.

Four-player adaptor games

These are the cheapest type of hook-up, and strictly speaking they're not really a hook-up at all, because they take place on a single computer. They require an Amiga and a special four-player adaptor to play.

Two players plug into the game using the Amiga's normal joystick and mouse sockets, while the remaining two players plug in to the parallel port via the adaptor.

The game itself has to be able to recognise the four-player adaptor, but it does mean you only need one copy of the game.



The new hook-up from Maxis takes competitive sport into a new arena – the computer paintball game. Is RoboSport really the adult version of the shoot-em-up, and will we all get completely hooked?

Departing from their normal style of simulation games, Maxis move into the territory of multi-player war-gaming, with surprisingly effective results. *RoboSport* is a detailed and involved game for up to four players, based on the familiar paintball games that real people play with paint-filled airguns. The difference is that *RoboSport* is an all-weather affair that you don't have to leave your seat to play. The contest is one of brain-power rather than brute force, and the blood'n'guts has been replaced by bolts and bytes.

Playing with time

In a nutshell, *RoboSport* takes slices of time (usually around 15 seconds long) and lets each player decide what to do with their robots during each time-slice. The players plot the routes of their robots: planning sneak attacks, laying covering fire, searching for enemy robots, and so on. Each player can check and re-check the actions of their team so that when the 'actual' 15 seconds is replayed, everything goes according to plan. *RoboSport* has a terrific time-manager display which makes all of this this really simple.

When everyone has decided what they're doing during the time-slice, the Amiga combines all the plans and calculates their outcomes. This is displayed as a series of movies which can be replayed just like a video. Each movie is 'filmed' from a different player's point-of-view, so that nobody knows where their enemies are – until they pop into visual range. On a single Amiga, this involves a lot of turning your head away (and-no-peeking), but when you have two or more Amigas hooked-up together each player gets their own planning and movie-viewing screens, safe from the gaze of their rivals.

Stop-start action

The movies form the foundation for your next round of attacks. Another 15-second time-slice to fiddle about with – another plan to tweak and hone – until you're ready to switch to

As many as four different teams (controlled by humans or your Amiga) can wage war against each other in a variety of settings.



RoboSport's endgame sequence isn't worthy of much acclaim, but it's the joy of beating real people that matters most.



RoboSport

'real' time and see what happened. Each round you work on what you remember from the movie – where was the last enemy position, what direction was he going in, did he plant a bomb perhaps? Tension builds surprisingly quickly, especially when you're hooked-up.

There are plenty of different strategies to play, thanks to the varied scenarios and game-styles provided. You can play games like 'capture the flag', 'rescue a hostage', 'last man alive' and even a deadly version of baseball. There are three different map styles depicting suburbs (for inner-city clashes), rubble (for that Sarajevo feel) and the guts of a computer. Maps come in eight sizes, so anything from a skirmish to an all-out war can be played.

The human factor

RoboSport is much more exciting than anything Maxis have done before. The graphics come in high-res and low-res forms (but you need 2Mb for high-res) and although they're not spectacular, they are better than Maxis usual style. Sound, too, is improved, thanks to the use of samples which add to the atmosphere of destruction, and don't immediately have you reaching for the volume knob.

There are a few niggles, but usually these are a result of waiting for other human players to finish, or ensuring they're not sneaking a look at your display when you share a computer. That's not really *RoboSport's* fault though. Things are much better in a hook-up situation (*RoboSport* can play over a modem, a null-modem link, or via Commodore's Workbench 2 Ethernet add-on), but if you

wish, you can always play against computer-controlled teams, each with their own style of battle-management.

RoboSport is probably going to attract adults rather more than kids, because the game involves planning and patience, but that's not a criticism. The great thing about *RoboSport* is its versatility; there are plenty of different ways to play, making it ideal for a group of people. A small skirmish may take an hour or so to complete, but huge campaigns can be saved and continued at will. The key to extracting your money's worth is making it a party-game; playing against people makes everything so much more fun. *RoboSport* is the shoot-em-up with infinite social-lives, so go out and buy some.

Neil Jackson

“ The contest is one of brain-power rather than brute force ”

RoboSport Ocean/Maxis ■ £29.99

- Perfect hook-up game for up to four players.
- Graphically not amazing, but it's smoother and quicker than other Maxis games.
- Plenty of variation in gameplay and scenarios, with room for future expansion.
- Good use of samples, but it could have been improved with more.
- Needs two megabytes to get the best out of it, but still playable in the low-res version.



90%



PHOENIX

SALES 0532-311932

Our friendly, highly trained sales team will ensure that your order is dealt with efficiently and with the minimum of fuss.



At the time of placing your order we will advise you of anticipated delivery time and answer any other queries you may have regarding your purchase. All major credit cards accepted.

TECHNICAL 0532-319061

The Phoenix product helpline ensures that all our customers benefit from the highest level of after sales technical support.

We also offer advice to help you in choosing exactly the right product for your requirements thus eliminating the possibility of an unwanted or unnecessary purchase.



DESPATCH 0532-310796

Once you have made the decision to purchase from Phoenix your order will be dispatched promptly and without fuss.



Using one of the countries leading courier services ensures that your goods arrive on time, intact and in the same condition they left our stock.

A 600 NEW PACKS

'THE WILD, THE WEIRD & THE WICKED'

1 Mb A 600 as standard and includes the excellent value Software titles: Deluxe Paint III • Formula One Grand Prix • Putty • Pushover

...ONLY £339.99!

A 600 2Mb (incl. above software).....**£379.99**

'EPIC • LANGUAGE PACK'

1 Mb A 600 as standard and includes the excellent value Software titles: Deluxe Paint III • Trivial Pursuit • Epic • Myth • Rome

...ONLY £484.99!

A 600 2Mb (incl. above software).....**£524.99**

AMIGA 600



The stand-alone A 600 is compact, semi portable, fully featured and can be purchased in the following configurations:

A 600**£274.99**

A 600 HD **NOW ONLY £429.99**

A 600 2Mb**£314.99**

A 600 HD 2Mb**£469.99**

A 600 RAM EXPANSION

FEATURES INCLUDE: - Trapdoor installation Will not invalidate your warranty • Battery backed real time clock • Long life lithium cell • Enable/disable facility • Full installation instructions • Made in U.K. • Complete with famous Phoenix 2 year warranty.

Phoenix PA 601-populated-1Mb.....**£44.99**

Phoenix PA 601-unpopulated-0Mb.....**£24.99**

Phoenix A 600 ROM Sharer.....**£29.99**

Keyboard switchable!

PHOENIX AMIGA Power Pack

When purchasing any Amiga you can also buy our unbelievable value PHOENIX POWER PACK, which includes over **£100** of quality software and accessories. Probably the best bundle around, just look at what you get!

SOFTWARE

Man Utd Europe • Kick Off 2 • Captive Rick Dangerous • Pro Tennis Tour 2

ACCESSORIES

Fully Microswitched Joystick
50 Capacity 3.5" Disk Box
8mm Mouse mat • 10 Phoenix Branded Disks with Labels

Phoenix Power Pack.....**£39.99**

AMIGA 1500

2.04 Workbench Includes: Deluxe Paint 3, Platinum Works, Home Accounts, Toki, Puznic, x Elf, Amiga Format Book and Joystick

AMIGA 1500..... **ONLY £539.99**

AMIGA 1500 + 1084 SDI

This **SPECIAL OFFER** combines both the A1500 (as shown above) and the legendary Commodore 1084 SDI Monitor.

AMIGA 1500+1084 SDI.....**£729.99**

Limited Stocks Only!

EMULATORS-A 500

GVP PC-286 16MHz.....**£239.99**

Vortex A Tonce Plus 286 (16MHz).....**£214.99**

KCS Powerboard (with DOS 4.01).....**£199.99**

KCS Powerboard**£184.99**

KCS adaptor for 1500/2000... **ONLY £59.99**

MONITORS

PHILIPS 8833Mk II..... **ONLY £194.99**

Colour Stereo Monitor now including 'Lotus Turbo Challenge', and 1 years on-site warranty.

COMMODORE 1085 SDI**£216.99**

COMMODORE 1084 SDI.....**£199.99**

All monitors are supplied with a **FREE** cable for connection to your Amiga.

MONITOR ACCESSORIES-

14" Dust covers.....**£4.99**

14" Tilt & Swivel stand.....**£13.99**

Anti-Glare filter screen.....**£19.99**

A4 Copy Holder.....**£12.99**

HARD DRIVES A500

GVP IMPACT SERIES II Hard Drives, the fastest Hard Drive/Controller for the Amiga. Features Game Switch, external SCSI port, FAAASTROM SCSI Driver, GVP's custom VLSI chip and internal RAM expansion up to 8 meg! Units use high specification fast-access QUANTUM Hard Drives coming with 2 yr. guarantee.

A500-HD8+ 52 Mb (Unpopulated).....**£329.99**

A500-HD8+ 120 Mb (Unpopulated).....**£424.99**

A500-HD8+ 240 Mb (Unpopulated).....**£689.99**

ROCTEC

PRICE CRASH!!!!

Roctec "Rochard" hard drives now at unbelievably low prices!!

ROCTEC 40 MB.....**£259.99**

ROCTEC 60 MB.....**£294.99**

ROCTEC 80 MB.....**£329.99**

ROCTEC 120 MB.....**£364.99**

Featuring Quantum/Connor drives-very fast access times-(19ms or better) • expand up to 8 Mb using 1 Mb Simms only • 1 year guarantee • slimline design ideally colour matched to the A500.

ROCTEC (controlletr Only).....**£164.99**

Very similar in style and appearance to the GVP HD8+ but unpopulated and without a hard drive so you can fit your own. Please specify IDE or SCSI!

EXTRA MEMORY Only **£25.99** when bought with drive!

HARD DRIVES 1500/2000

Series II Hard Disk Controller/RAM card.....**£114.99**

Series II 52 Mb Hard Disk and RAM card.....**£269.99**

Series II 120 Mb Hard Disk and RAM card.....**£399.99**

Series II 240 Mb Hard Disk and RAM card.....**£639.99**

EXTRA MEMORY Only **£25.99** when bought with drive!

ACCELERATORS A500

GVP COMBINATION ACCELERATORS & HARD DRIVES-The ultimate expansion product for the Amiga 500!

A530 Combi 40MHz + 52Mb Hard Drive.....**£659.99**

A530 Combi 40MHz + 120Mb Hard Drive.....**£757.99**

A530 Combi 40MHz + 240Mb Hard Drive.....**£979.99**

A530 68882 Co-Processor.....**£204.99**

ACCELERATORS 1500/2000

GVP G-Force 030-25MHz + 1Mb.....**£545.99**

GVP G-Force 030-40MHz + 4Mb.....**£784.99**

GVP G-Force 030-50MHz + 4Mb.....**£1099.99**

ACCELERATOR RAM Modules

1Mb Simm-32 Bit 60 Nanoseconds.....**£65.99**

4Mb Simm-32 Bit 60 Nanoseconds.....**£182.99**

PHOENIX A500 Plus 2 Meg RAM Upgrade Modules



A PHOENIX RAM module can expand your chip RAM up to 2 Mb by using the trapdoor expansion port. Extra RAM is necessary to unleash the incredible graphics capabilities of your Amiga. All our boards carry a full 2 year no quibble replacement guarantee. It's never been cheaper to upgrade!

1 Mb Fully populated RAM board.... **NOW ONLY £34.99**

1 Mb unpopulated RAM board.....**£16.99**

PRINTERS

STAR-LC-100 Colour..... **NEW! £159.99**

9 PIN colour printer with paper parking, eight fonts and electronic DIP switches.

LC24-100 **NEW! £189.99**

24 PIN with compressed data mode, 16 K buffer and 10 letter quality fonts,(with Star printer driver only).

LC-20.....**£134.99**

LC-200 Colour.....**£195.99**

LC24-20.....**£199.99**

LC24-200 Mono**£219.99**

LC24-200 Colour.....**£268.99**

XB24-200 Colour.....**£379.99**

SJ48 Bubblejet.....**£229.99**

Star printers come with one year warranty.

CITIZEN-

Swift 240 Colour..... **NEW! £279.99**

Swift 240 Mono..... **NEW! £259.99**

Swift 200 Colour..... **NEW! £219.99**

Swift 9 Colour..... **SPECIAL OFFER £179.99**

224 mono.....**£214.99**

224 Colour..... **NOW ONLY £229.99**

Swift 24e Colour..... **NOW ONLY £269.99**

Citizen printers come with 2 year warranty.

HEWLETT PACKARD-

Deskjet 500..... **SPECIAL OFFER £339.99**

Deskjet-500 Colour.....**£559.99**

HP printers come with 3 year warranty.

HP black ink cartridge**£24.99**

HP colour ink cartridge**£29.99**

AUTO SHEET FEEDERS-

STAR LC20.....**£57.99**

STAR LC200.....**£59.99**

STAR LC24-200.....**£62.99**

STAR LC24-20.....**£62.99**

STAR SJ48.....**£49.99**

PHOENIX PRINTER PACK-

Supplied with **ALL** printers containing 1.8m std. printer cable, printer ribbons/cartridge and 250 sheets of paper absolutely **FREE**.

PRINTER ACCESSORIES-

We have a large range of high quality printer accessories for all the printers we sell including: dust covers from **£2.99** • Ink cartridges from **£13.99** • Mono ribbons from **£3.50** • Colour ribbons from **£7.99** • Printer stands from **£7.99**

CALL 0532-311932 FOR MORE DETAILS!

CHIPS

AMIGA CUSTOM CHIPS

Kickstart 2.04 ROM.....**£34.99**

Kickstart 1.3 ROM.....**£27.99** Fatter Agnus 8372A.....**£34.99**

NEW Super Denise.....**£34.99** CIA 8520A.....**£9.99**

MEMORY CHIPS

4 Mb x 9 (-70) Simm.....~~£99.99~~ 1 Mb x 4 (-80) Zip.....***£34.99**

1 Mb x 9 (-80) Simm.....**£27.99** 256k x 4 (-80) Zip.....***£29.99**

256k x 9 (-80) Simm.....**£12.99** 1 Mb x 1 DRAM.....**£3.49**

256k x 4 DRAM.....**£3.49** *This price is for 1 Mb of RAM

These chips cover practically every popular memory expansion or Hard Drive system on the market for the Amiga ie. GVP, SUPRA, MICROBOTICS, COMMODORE.

RING OUR TECHNICAL HELPLINE IF YOU NEED ADVICE

MEMORY EXPANSION

SUPRA 500RX the ultimate in Fast Ram expansion units. (*Uses 256x4 Zips)

8 Mb pop to 1 Mb*.....**£99.99**

8 Mb pop to 2 Mb*.....**£124.99**

8 Mb pop to 2 Mb.....**£149.99**

8 Mb pop to 4 Mb.....**£209.99**

8 Mb pop to 8 Mb.....**£309.99**

DISK DRIVES

All drives feature super slim design, enable-disable switch, thru port and come with a 1 year replacement guarantee!

Phoenix Deluxe Drive.....**£47.99**

Roctec Roclite..... **NEW! £57.99**

This famous drive has now been upgraded to include Anticlick and Virus Checker

Replacement A 500 Internal Drive...**£39.99**

Disk head cleaner.....**£3.99**

VIDEO

The first col. digitiser for **under £100** from ROMBO.

VIDI-AMIGA 12 **ONLY £89.99**

ROCGEN Plus.....**£129.99**

ROCKEY BY ROCTEC-Chroma key unit

Embed live video in graphics!

Phoenix Price.....**£269.99**

ACCESSORIES

- Zy-Fi Stereo speakers.....**£37.99**
 Superb sound and excellent dynamics. These two-way stereo speakers are an Amiga standard-Excellent companions on any gaming soiree!
- Control Centre.....**£34.99**
 Heavy duty construction, rubber edging, perfect colour match, makes an ideal workstation for the A500/A600
- DATA SWITCHES-(25 pin D type)
- 2 way.....**£15.99**
 3 way.....**£17.99**
 4 way.....**£19.99**
- STORAGE:
- 90 Capacity BANX.....**£11.99**
 150 Capacity POSSO.....**£16.99**
- Disk Box 10 Cap.....**£1.99**
 Disk Box 25 Cap.....**£2.99**
 Disk Box 50 Cap.....**£4.99**
 Disk Box 100 Cap.....**£6.99**
 Disk Box 120 Cap.....**£7.99**

"Thanks once again for your efficient service and patient advice."

S. Ward~ Norfolk

PHOENIX PRODUCTS

- MOUSE/JOYSTICK SWITCH.....**£13.99**
 Don't damage your Amiga's ports! This device saves wear and tear makes switchover FAST, and does NOT require power unlike many others.
- COMPUTER/VIDEO SCART SWITCH.....**£19.99**
 Flip between Video/computer signals at the push of a button.

AMIGA MUSIC

Attention all you music lovers! Phoenix have put together an unbeatable music deal for you this summer.

MUSIC-X Jnr....only £15.00

When purchasing either a Phoenix Stereo Sampler or Pro Midi 2 Interface Please Note: this is a limited offer only while stocks last!

- STEREO SAMPLER.....**NOW ONLY £29.99**
 Combines ease of use with state of the art analogue to digital conversion technology.(inc. FREE sample editing software +audio lead)
- PRO-MIDI 2 INTERFACE.....**£24.99**
 This fully featured professional quality midi interface is very flexible giving semi-patch bay facilities. It has five ports in, out, thru and two switchable out/thru. (inc. FREE midi lead)
- GVP DIGITAL SOUND STUDIO.....**£54.99**
 High quality sound sampler for all Amiga Computers
 Amiga Music Made Easy-Only from Phoenix!

SOFTWARE

- WORD PROCESSING / DTP
- Kindwords 3.....**£36.99**
 Interword.....**£29.99**
 Final Copy 2.....**NEW! £66.99**
 Professional Page 3.....**NEW! £129.99**
 Saxon Publisher.....**NEW! £189.99**
 Pagestream v2.2.....**£126.99**
 Pagestream Font pack 1.....**£44.99**
 Page Setter 2.....**£46.99**
 Pen Pal 1.4.....**£57.99**
 Prowrite v3.X.....**£57.99**
 Quickwrite.....**£36.99**
 Transwrite.....**£29.99**
 Wordworth.....**£79.99**
 Hot Links.....**£52.99**
- INTEGRATED PACKAGES
- Gold Disc Office.....**£59.99**
 Mini Office.....**NEW! £39.99**
- CAD & DRAWING
- Design Works.....**£53.99**
 Professional Draw 3.....**SPECIAL OFFER £79.99**
 Intro CAD Plus.....**£74.99**
 X CAD 2000.....**£99.99**
 X CAD 3000.....**£269.99**
- UTILITIES
- A-Talk 3.....**£44.99**
 Cross Dos v5 (inc. Cross PC Emulator).....**£29.99**
 Cross Dos.....**£22.99**
 Diskmaster 2.....**£43.99**
 Dos 2 Dos.....**£29.99**
 Opus Directory.....**£29.99**
 Xcopy.....**£36.99**
 Quarter Back.....**£45.99**
 Quarter Back Tools Vs 5.....**£49.99**
- DATABASE
- Superbase Pro 4.....**£164.99**
 Superbase Pers 2.....**NOW ONLY £39.99**
- VIDEO PRODUCTION/TITLING
- SCALA 500.....**£79.99**
 SCALA Professional.....**£219.99**
 Big Alternative Scroller.....**£35.99**
 Broadcast Titler 2.....**£179.99**
 Font Pack 1 for Broadcast Titler 2.....**£88.99**
 Font Enhancer for Broadcast Titler 2.....**£88.99**
 Pro Video Post.....**£168.99**
 TV Show Pro.....**£51.99**
 TV Text Pro.....**£84.99**
- FRACTAL AND SPECIAL FX
- Race Trace.....**NEW! £93.99**
 Deluxe Paint 4.....**£63.99**
 Deluxe Video 3.....**£71.99**
 Image Finder.....**£44.99**
 Pixmate.....**£43.99**
 Scenery Animator.....**£62.99**
 Vista.....**£43.99**
 Pro Vista.....**£71.99**
- ANIMATION
- Take 2.....**£42.99**
 Image Master.....**£129.99**
 3-D Images.....**£36.99**
 Amos.....**£36.99**
 Amos Compiler.....**£21.99**
 Amos 3D.....**£25.99**
 Easy Amos.....**£22.99**
 Deluxe Paint 4.....**£63.99**
 Director v2.....**£71.99**
 Imagine v2.....**NOW ONLY £189.99**
 Map master for Imagine.....**£59.99**
 Presentation Master.....**£169.99**
 Surface Master for Imagine.....**£29.99**
 Showmaker.....**£142.99**
 Video Director.....**£107.99**
- PRESENTATION & SLIDE SHOW
- Can Do v1.6.....**NEW! £72.99**
 Art Department Pro v.1.....**£143.99**
 Art Department Pro Conv. Kit.....**£57.99**
 Can Do It V.I.G.....**£94.99**
 Hyper Book.....**£44.99**
- ACCOUNTING
- Personal Finance.....**NEW! £29.99**
 Arena Accounts.....**£83.99**
 Home Accounts 2.....**£39.99**
 System 3.....**£43.99**
 Cashbook Combo.....**£57.99**

MICE & TRACKBALLS

- NAKSHA Upgrade Mouse.....**£24.99**
 (With Operation Stealth, mat & holder)
- Roctec Mouse.....**£13.99**
- GOLDEN IMAGE
- Mega Mouse.....**£12.99**
 (Has just received 90% Amiga Format Gold Award)
- Optical Mouse.....**£29.99**
 High precision, pointing device.
- Crystal Trackball.....**£37.99**
- Infrared-Cordless-Mouse...**NEW! £47.99**
 (Rechargeable top selling innovation.)
- Optical Pen Mouse.....**NEW! £39.99**
 High Quality 8mm mouse Mats.....**£3.99**

SCANNERS

- Powerful image processing tools for the office or the home environment.
- POWER-Features include: 100-400 dpi • 64-Greyscales Thruport to printer • FREE Editing software.
- Power Scanner v2.0.....**£94.99**
 Power Scanner Colour.....**£234.99**
- GOLDEN IMAGE-Hand Scanner Series
- Features: 400 dpi • 256-Greyscale • Touch up and Merge it software.
- AlfaScan.....**£124.99**
 AlfaScan Plus.....**£149.99**
 AlfaScan OCR (inc OCR Software).....**£279.99**
- EPSON GT-6000 FLAT BED FULL COLOUR SCANNER-Plug into Amiga parallel port, 600 d.p.i. resolution, up to 16 million colours
 Phoenix Price.....**£989.00**

- ASDG-SOFTWARE-Scanning software comes in two forms, integrated into art development as a new module or used as a stand-alone programme.
 Phoenix Price.....**£109.99**

PHOENIX Kickstart ROM Sharer

Because some older games and business software will not run on the new Kickstart 2.04 ROM. PHOENIX have designed a sharer for both ROM chip sets. Switchable between 1.3 and 2.04 you can get all the benefits of the latest A500 Plus without the drawback of losing all your old software. Fits any Amiga 500/1500/2000.



- *Kickstart ROM Sharer.....**£24.99**
 *Kickstart Rev 3/5 ROM Sharer.....**£27.99**
 *Keyboard Switchable ROM Sharer.....**£34.99**
 Kickstart 1.3 ROM.....**£29.99**
 Kickstart 2.04 ROM.....**£34.99**
 *(ROM Chips not included)

AMIGA RELEASE 2

Now Only..

£79.99

The popular upgrade kit for 1.2 / 1.3 owners from Commodore is in stock and selling fast!

PHOENIX 1Mb A600 UPGRADE

Simply the Best!

...**£44.99**

CD ROM DRIVE-A570

This essential add-on has finally arrived, suitable for A500/A500+, A570.

Phoenix price.....**£339.99**

STAR LC-100 COLOUR

9 PIN colour printer with paper parking, eight fonts and electronic DIP switches.

Phoenix price.....**£159.99**

A600 SMART CARDS

Utilise the advanced technology of the A600 Smart Card Expansion slot with these NEW RAM Expansion Cards direct from Phoenix. Available in 2 Mb & 4 Mb configurations.

PA 6020-2 Mb.....**£119.99**
 PA 6040-4 Mb.....**£149.99**

- ## LEADS & CABLES
- Phoenix supply connecting cables in any configuration, call sales for a complete list and prices.
- Midi-Midi 2m.....**£3.99**
 Midi-Midi 3m.....**£4.99**
 Midi-Midi 5m.....**£5.99**
 Amiga-Scart.....**£9.99**
 *Amiga-RGB.....**£9.99**
 Joystick ext.....**£4.99**
 Joystick splitte.....**£4.99**
 *Serial/Modem.....**£9.99**
 Printer 1.8m.....**£5.99**
 Printer 2.0m HQ.....**£7.99**

- ## DISKS
- Don't confuse these quality disks with others currently available. 3.5" 100% certified error free 70% clip. All disks include FREE high quality Phoenix labels.
- | | | | |
|----------|--------|-----------|---------|
| 10..... | £4.99 | 200..... | £72.99 |
| 25..... | £12.99 | 500..... | £174.99 |
| 50..... | £22.99 | 750..... | £259.99 |
| 100..... | £39.99 | 1000..... | £339.99 |
- TDK Branded disks- High performance media from the experts-box 10 with labels.
- | | | | |
|---------|--------|----------|---------|
| 10..... | £5.99 | 100..... | £52.99 |
| 50..... | £26.99 | 500..... | £249.99 |
- 1000 Phoenix Disk Labels.....**£9.99**

CALL OUR ORDER HOTLINE NOW!

- Free Fast UK delivery
- Next-day Courier only £4.50
- Same-day despatch on Credit card orders/bankers draft/building society cheque/Postal orders
- All prices include VAT



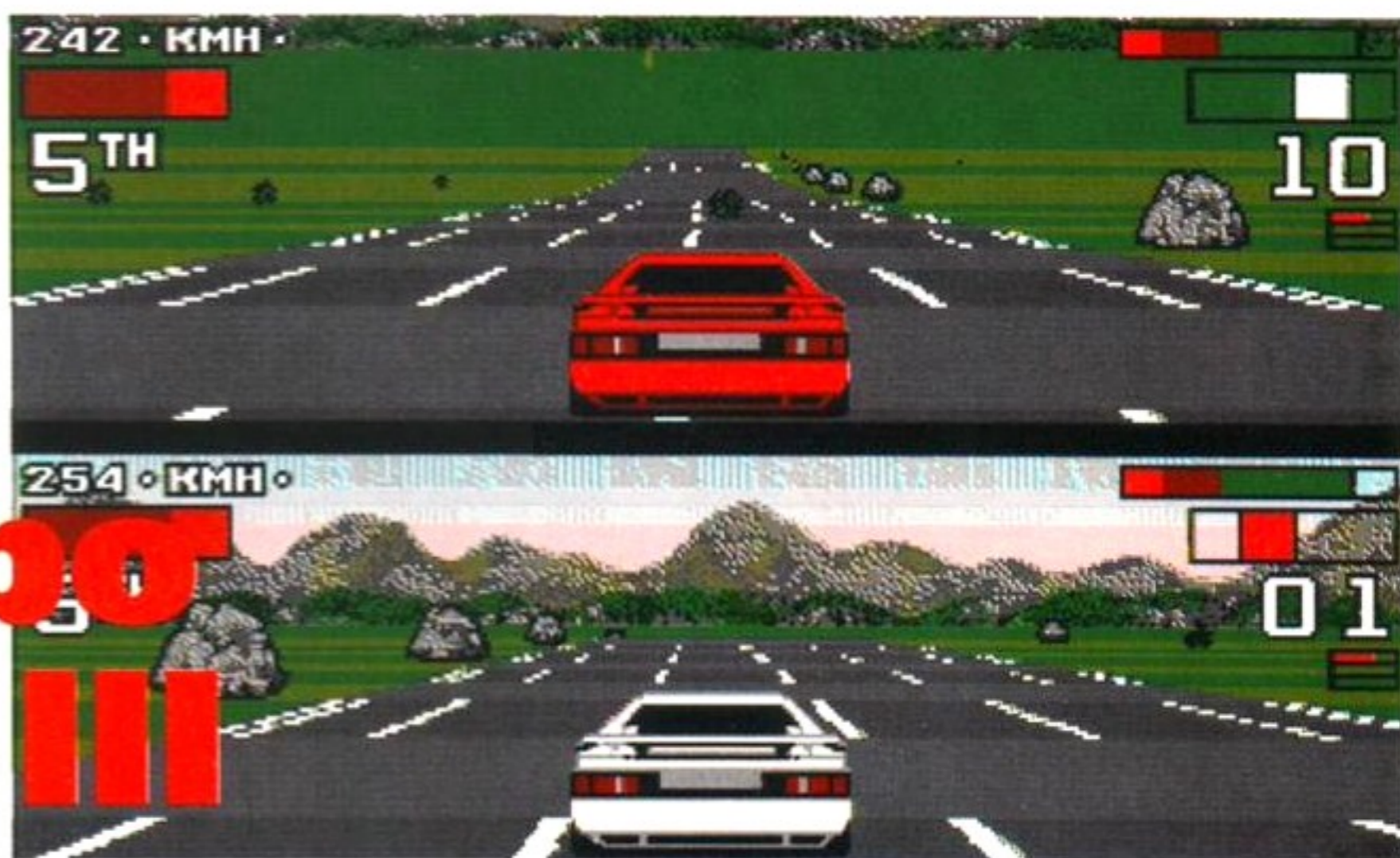
PHOENIX - MAIL ORDER AT IT'S BEST!

Tel: 0532 311932

PHOENIX, UNIT 19, ARMLEY PARK COURT, STANNINGLEY ROAD, LEEDS LS12 2AE
 Please make cheques payable to PHOENIX. Allow 5 working days for cheque clearance. Call our despatch line for details on our full range of delivery options both in the UK and overseas. BFPO welcome. OPENING TIMES: Mon-Sat 9.00am-6.00pm E&O.E.

'The Ultimate Challenge'? Or is it 'Just another driving game'? Crash-test dummy **Andy Nuttall** takes a spin in Gremlin's new supercar...

Lotus Turbo Challenge III



The Windy course of *Lotus Turbo III*, one of the new additions to the track list from *Lotus II*. In one-player mode it's superb, but in two-player mode (as shown here) it is disappointingly slow.

AMIGA FORMAT

72

NOVEMBER 1992

Unless you're new to the Amiga, or you've been asleep for the last couple of years, you will surely have heard of the *Lotus Turbo Challenge* games from Gremlin. The original *Lotus* was a fast-moving, adrenaline-pumping race game with a two-player option that made it second to none. When *Lotus II* appeared everyone adored it because it was even faster and offered a range of track styles.

Now Gremlin have come up with the third and final game of the series, appropriately titled *Lotus III: The Ultimate Challenge*. *Lotus II* was a huge improvement over the original, so what has *Lotus III* to offer the Amiga racer?

Overdrive

To start with, there's the addition of a new car. In *Lotus I* you drove an Esprit, while in *II* you could choose between an Esprit and an Elan, depending on the track. In *Lotus III*, though, you can not only pick one of those but also a new Lotus – the M200. Although the cars have similar specifications, they each have different characteristics which make driving them just that bit different.

Then there's the addition of five new scenarios to choose from, to make a total of 13. Each of these offers not only different

scenery, but a totally different 'feel'. On the Snow level for instance, the car will slip and skid, making it difficult to control; while on the Fog level you will only be able to see the area just in front of your car (except for the tail lights of the cars in front, of course).

The main addition, though, is the Road Environment Construction System (RECS). It's very true to its name in that it can only alter the road environment, and not create specific tracks, so people who were hoping for a Scalextric-type course designer may be a little disappointed.

Top gear

RECS enables you to alter all aspects of the race ahead – bends, hills, obstacles, weather – you name it, RECS can do it. You can also set the difficulty level for a course, between 1 and 99. This not only makes the course itself more difficult, but also increases the intelligence and aggressiveness of the other drivers in the race. Set it to 99 only if you were a Kamikaze pilot in a previous life.

When you design a course, it is assigned a string of letters, each of which corresponds to

a particular parameter in the track design. The idea behind this is that you can design a track, then go around to your mate's house and use the given code to play the same track there. It works, too. If you've got a relatively short name, or a favourite football team, you can type this in and have your own personal track, which sometimes works really well, and adds a bit of fun to the

proceedings. RECS also enables you to define and store up to nine separate tracks in a list, so that you can play them all in a sort of championship challenge. This is an essential addition to the list of features, because playing each track you've created separately would soon become tiresome.

Due to space limitations, though, the inclusion of this feature has meant that the *Lotus II* option of linking two Amigas together has been left out. The general consensus of opinion around the *Amiga Format* office seems to be that the linker was a vital part of *Lotus II*'s popularity, and the fact that it's not in the new version means that unfortunately it loses a lot of brownie points.

“ If you own Lotus II I'd think twice about buying this version ”

WHAT CAR?



Lotus Esprit Turbo SE
The original, and some would say the best. It's certainly the fastest, anyway, but it doesn't accelerate quite as quickly as the Elan. It performs best on tracks which have hardly any hills and obstacles on them, and in slippery conditions such as mud and snow.



Lotus Elan SE
This car has loads of acceleration, so you can almost feel the G-Force as you zoom down those steep hills. In the game, it's definitely at its best on tracks which have lots of bends, loads of obstacles, and lots of grip on the road. Sadly, in real life, the Elan is no more – it's ceased production.



Lotus M200
The newbie – a big, bright green beast of a car, which is the latest in the range of Lotus cars. Probably superb to drive in real life but in this game it's not as exciting as the other two. More of an all-rounder, really – one which is good in icy or muddy conditions, and equally good on roads.

ROAD ENVIRONMENT CONSTRUCTION SYSTEM

The new addition to the range of options in Lotus is RECS, which enables you to alter tracks as you wish. Here's what it's all about...

Defines the number of bends in your track.

Gives you a choice between a racing circuit, trying to beat other players, and a rally-type track split into stages where you race against the clock.

RECS gives each variable a letter, forming a code.

Alters the sharpness of the bends in the course.



Adjusts the amount of scenery on the track.

Sets the length of track. You must refuel on longer tracks.

Alters the scatter of the scenery and obstacles.

Changes the gradient of the hills defined above.

The most exciting part of RECS, which enables you to choose between the 13 tracks available in Lotus III. The track currently selected is Night.

Defines the amount of obstacles in your way.

So aside from the course designer, how does it actually play? Well, in one-player mode, the game has a fairly similar feel to *Lotus II* – the same 'wind in your hair' feeling as you whiz around each circuit. There is a choice of music or sound effects as you play, but the available tunes aren't that great so you're better off sticking to the sound effects.

Ask any *Lotus I* or *II* player what made the games the classics they are today, and most will, like the *Amiga Format* team, say the 'two-player mode'. This may not be the case with *Lotus III* though.

Food and drink

The graphics are quite jerky, which can be off-putting if you're used to the earlier games. The speed still seems to be there, but the frame rate (the rate at which the screen updates) is vastly reduced, giving the impression that you're going much slower than you actually are.

This may be due to the addition of new objects, the intelligence of the drivers or the calculations necessary for RECS, but either way the thrill and the feeling of speed is lost. It's still very playable, but it could (and should) have been so much better.

The new-found intelligence of your opponents makes a difference to the gameplay, but they still manage to drive through all the obstacles unaffected while you screech to a halt if you so much as clip a rock or a bollard in the road. This always struck me as unfair in the first two games, but you learn to live with it I suppose.

Chris Kelly

In many ways, *Lotus III* is a game which borrows the parts from its two predecessors and compacts them into one game. For example, in *Lotus I* it was necessary to refuel quite often on your way around the course, while in the sequel there was no fuel, and the concentration was all on the game itself. *Lotus II*, of course,

had several tracks to race upon, a fact which made the game a lot better in many people's eyes, so it was included in *Lotus III*. This idea of using the best features breaks down a little, however, when you consider that the link-up feature has been left out, and the two-player option is slow in comparison with the previous two games.

OK, the bottom line. If you own *Lotus II*, I would definitely think twice before parting with your dosh. 25 quid's a lot of money, especially when all you're really getting is a course designer and some extra tracks. They are just too similar to warrant buying both.

In its own right, though, *Lotus III* is a pretty good game with loads of options. For a single player who hasn't got a racing game, then I'd recommend it without question, if only because of RECS. For someone who is looking to race with their mates, though, I would have to rate *Lotus II* more highly, simply because it's faster and as the feature on multiplayer games (Page 66) says, you can't beat being hooked-up.

Andy Nuttall

Lotus Turbo Challenge 3 Gremlin ■ £25.99

- A great game, with plenty of options and great playability, but loses a lot in two-player mode.
- Excellent presentation, with a dramatic intro sequence.
- Very similar to *Lotus II* with the addition of RECS, a new car and five extra tracks, but the lack of four-player mode isn't good.
- Think carefully before you buy it.



76%

THOSE TRACK TYPES IN ALL THEIR



MARSH

Great to play, but very difficult. Oil and water on the track make the going tough, so most of the time you end up skidding off the road.



FUTURE

Quite exhilarating, but doesn't look as good as the others. Lasers are your main obstacle, and a 'turbo zone' is supplied with every track.



NIGHT

Headlights on main beam as you zoom around a pitch-black track, with a Manhattan Skyline (cue a song) in the background. The best track.



LAKES

Jump across rivers and dodge oil slicks on this course, which is especially good when it's twisty and hilly – feels just like you're in the Lake District!



MOUNTAINS

A rock wall to the right and a vast open space to the left as you race around a narrow mountain course. Very precarious, and very difficult.



SNOW

Lots of obstacles on this one, including snow drifts and ice patches. Steering is very light, so the car slips and slides to good effect. Great snow effect.



ROADWORKS

The M25 simulator. Great feeling of speed as your car whizzes past the bollards and road signs. Great fun, especially if you have loads of hills.



STORM

Excellent rain effect, with flashing lightning and good thunder samples. Huge puddles in the road are common, they'll slow you to a standstill.



DESERT

Again not an easy surface to race on, with a similar feel to the Snow course. Stick to the middle of the road, as sand tends to collect at the edges.



FOG

Similar feel to the Night track, in that you can only see a few feet in front of the car. Can get frantic from time to time, especially with lots of bends.



CITY

Set on a wide motorway, you can cross over to the other lane to get around the sharper bends, but you must watch out for on-coming traffic!



WINDY

Racing around the plain of America, your main adversary is tumbleweed which blows in abundance from left to right across the track.



COUNTRY

Windy roads, logs, rocks and fords in the road - this is exactly like a real country lane, except you never get stuck behind a tractor.



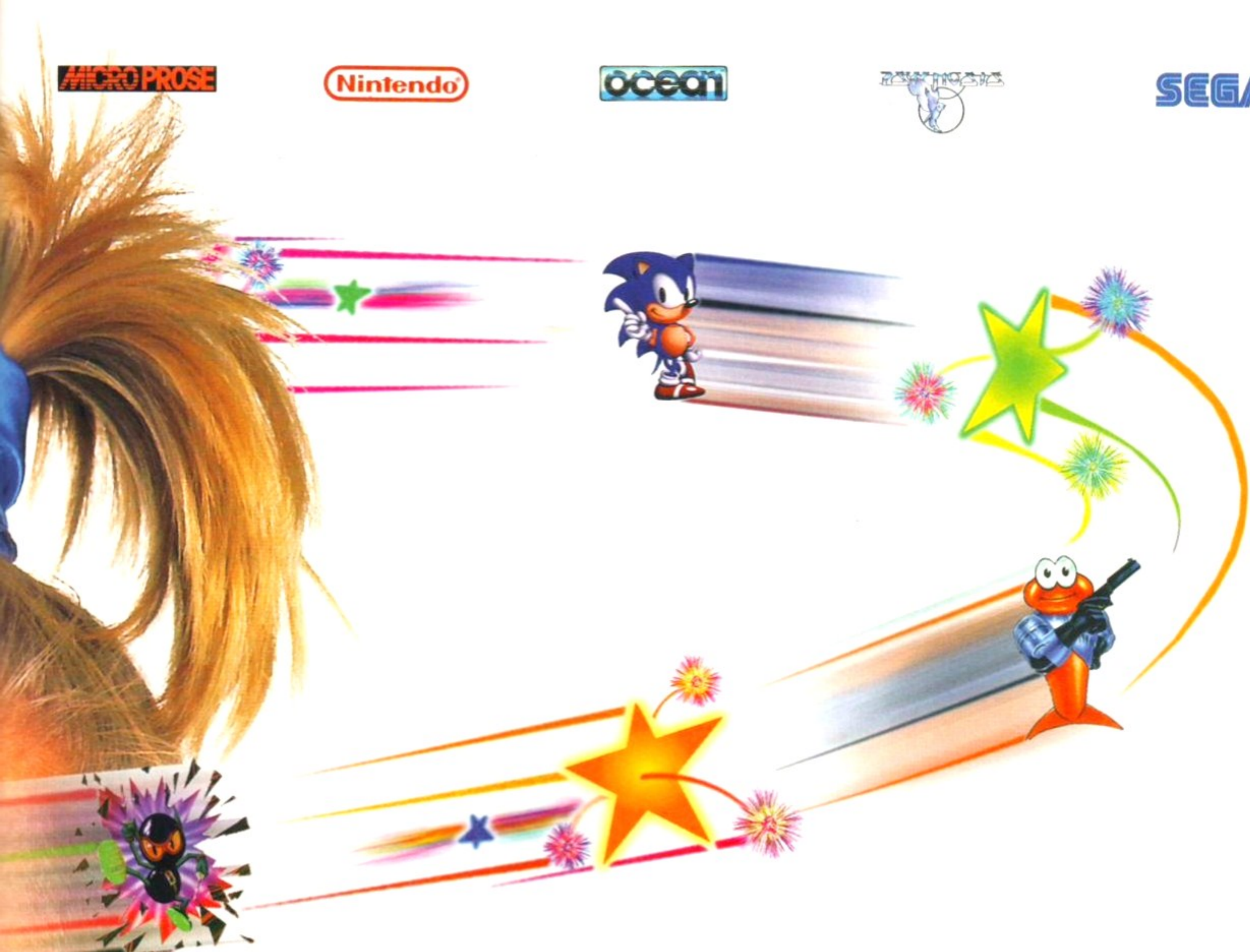
MICROPROSE

Nintendo

ocean



SEGA



It'll blow your mind

OK, here's the deal.

The Future Entertainment Show is the biggest computer games event ever seen in the UK. We've got all the leading names showing off big time - Commodore, Sega, Nintendo, Philips, Ocean, Acclaim, EA, Psygnosis, Domark, Gremlin, Microprose and scores of others. Oh, and there's a video wall the size of a house and competitions and huge arcades and serious bargains and TV film crews and - but, hey, let's not worry about detail.

All you have to do is be there.

Then we'll blow your mind.

Helluva deal...

The Future Entertainment Show

Earls Court November 5-8 1992

Phone **051-356 5085** to guarantee your ticket (£5.95 for adults & £3.95 for under 14s in advance, or £7 & £5 on the day)

It's easier to travel by train. If you live in the Network SouthEast area, travel by train and avoid traffic jams and parking problems, jump huge queues and save on admission (Adults £5.95, Under 14's £3.95), when you buy the all in One Day Travelcard/Admission ticket. From any staffed Network SouthEast station.



**LOTUS TURBO
CHALLENGE 2
FREE WITH THE
UNBEATABLE
8833/II.
CAN YOU
HANDLE IT?**



The Amiga Press agrees the Philips 8833/II monitor is the best – and it's just got even better.

Gremlin's Lotus Turbo Challenge II game is now FREE with the 8833/II.

Log-strewn tracks, treacherous tunnels, slippery sand – never before have your skills been so savagely tested.

And that's not the only way an 8833/II puts you in the driving seat.

Superb reproduction, stereo sound, unbeatable hi-definition picture: suddenly the best games look even better.

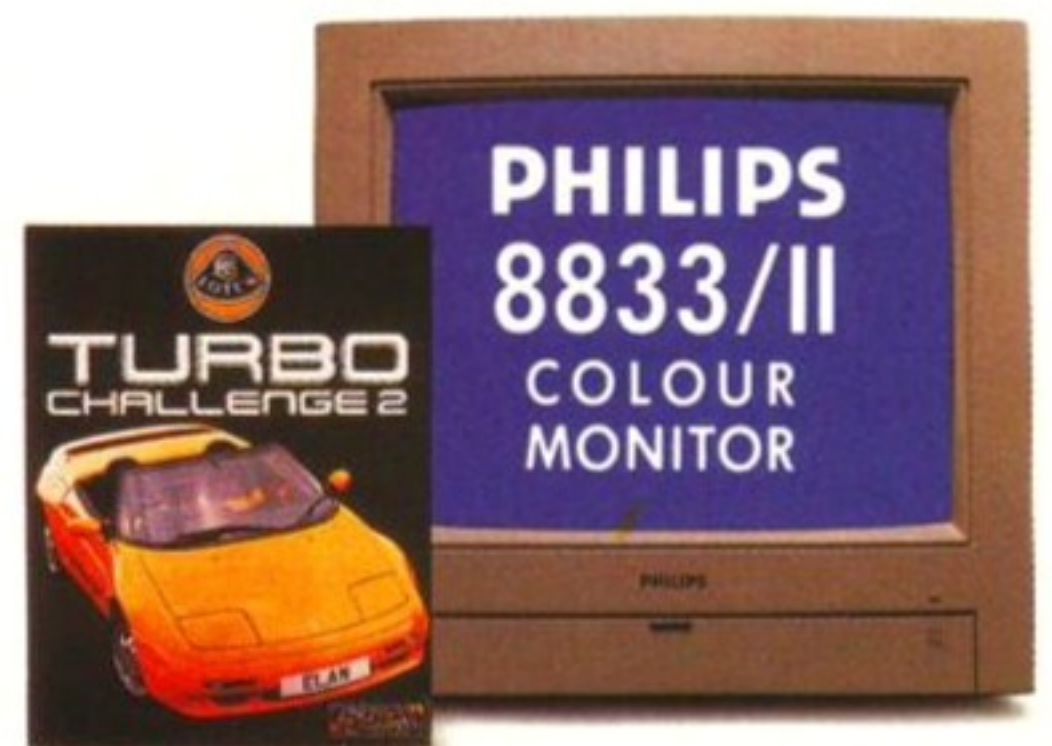
PLUS! WIN A DAY AT THE 1993 BRITISH GRAND PRIX!

Ask your Philips monitor dealer about your chance to spend a day at Silverstone, or to win one of 40 radio controlled Ferrari Testerosas.

If you already own Lotus Turbo Challenge 2 exchange to the Final Challenge for only £5.00.

And if you're an Atari ST user we will exchange your Amiga software free of charge.

Get down to your Philips dealer today – and drive the biggest bargain in monitors.



PHILIPS

Win the latest Amiga bundle! Three chances to win!



With Commodore's new philosophy of opening up to press and public alike now in full swing, we now have the chance to offer three *Amiga Format* readers the chance to win a brand new Amiga 600, Wild, Weird and Wicked pack.

These things are so hot that many members of Commodore's staff haven't even seen them yet. So this is your chance to get ahead of the pack...



And what do you have to do in order to be even considered as a possible winner? Simple, first off you have to answer five questions. Then you have to write the answers down on the back of a postcard or on the outside of a sealed envelope.

Address them to:

Oi Jim! it's the *Amiga Format* Weird Comp,
30 Monmouth Street, Bath, Avon BA1 2BW.

Make sure that you send your entry in time to reach us by **November 12**.

And now for the questions:

- 1) Who is the managing director of Commodore UK?
- 2) What does CDTV stand for?
- 3) Whose LP was called *The Wild, The Willing and the E St Shuffle*?
- 4) Who sang "weird dreams inside the goldmine"?
- 5) Who played the Wicked Witch of the East and in what film?

SO WHAT DO YOU GET IN THIS STRANGELY NAMED PACK?

Game 1: Push Over

GI Ant and his incredible performing dominoes. More mind mangling, pacey, logic action than an average Amiga owner can take in one go.



Game 2: Putty

No longer called *Silly Putty* apparently, but still a hell of a fine game. See the full review on page 82.



Game 3: Formula 1

Drive like a Mansell in this superb... er driving game.



And of course you also get an A600 thrown in as well. Plus a special edition of *Amiga Format* written especially for the new pack.

The Rules

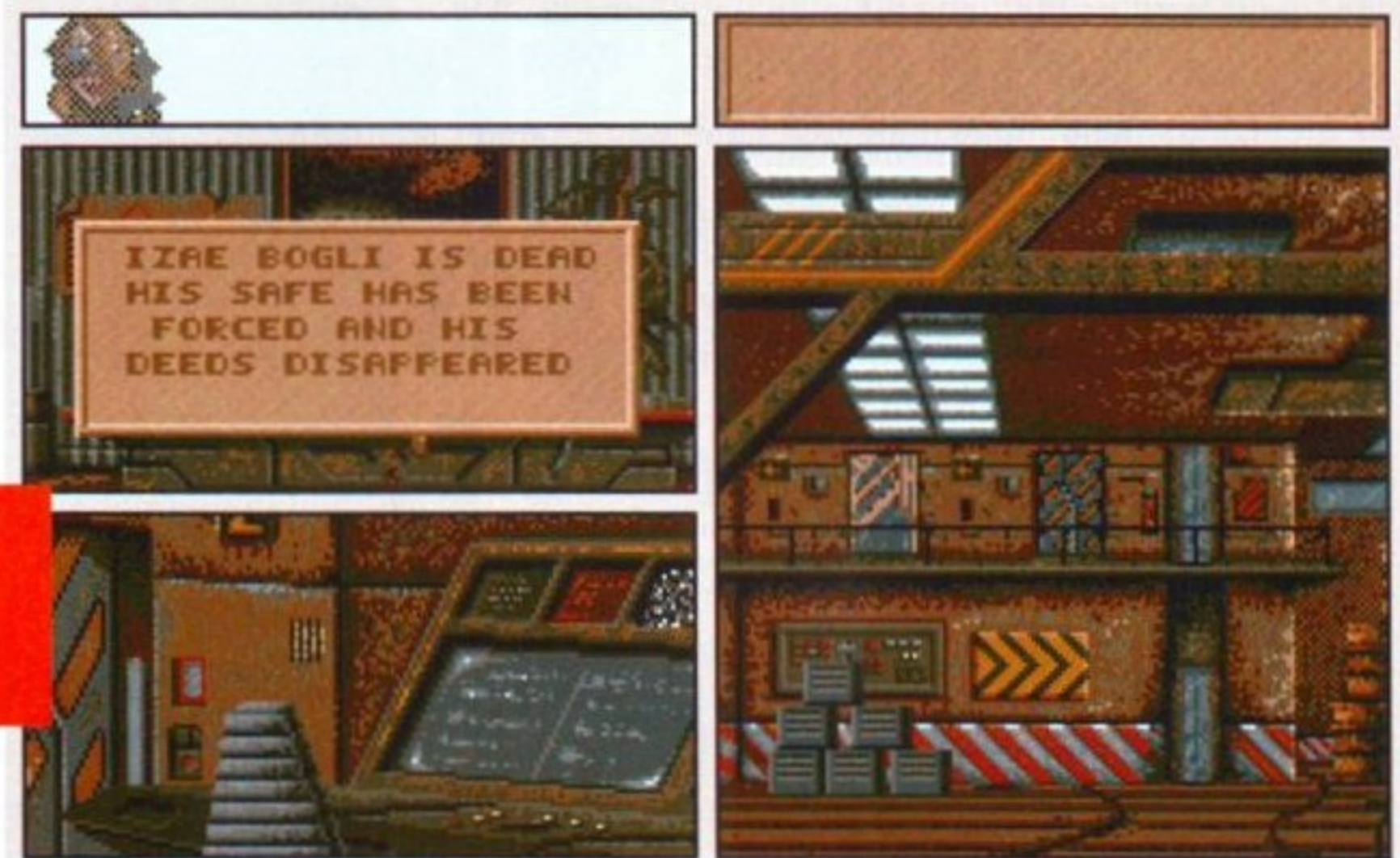
- 1) No employees of Future Publishing or Commodore (UK) are allowed to enter this competition.
- 2) The editor's decision is final and no correspondence will be entered into regarding this competition.
- 3) If you are smug when you win the prize, we will award it to someone called Barry or Delvin or SkybeamMoonChild.
- 4) Jim works in the postroom.

Get ready to join the Bureau of Astral Troubleshooters, don your silly hat and trench-coat, and act just like a real detective. Strange worlds beckon in UBI Soft's latest adventure

BAT II

Do *Androids Dream of Electric Sheep?* is the novel by Phillip K Dick, that was the inspiration for the ultimate Cyberpunk movie, *Blade Runner*. Now the indie programming team Computer's Dream have produced - they hope - the ultimate Cyberpunk adventure, *BAT II*. You're taken to the late 21st century where the people are a mish mash of Romans, Shedish (a highly evolved race from the planet Simian) and the Illean (not so bright race of aliens). The architects of this world take ideas from the Roman era and mix them with technology to produce something they call a 'High Tech Paradox'.

You play the part of a BAT agent (it's an acronym, like UNCLE, and stands for Bureau



No doubt there'll soon be someone trying to do the same to me as they did to Izae. The best thing to do in this situation is probably to get out quick and avoid dark alleyways.

of Astral Troubleshooters) on the search for evidence to prove how corrupt the Koshans are. It is rumoured they are forcibly taking control of all the known Echitone mines in the galaxy. Echitone is a valuable spice, essential to the smooth running of the modern world, smacks a bit of *Dune* methinks. You roam the six sectors of Roma 2, the capital of the planet Shedishan, moving from screen to screen. It's like reading a comic; many of the screens are visible at once, their size relative to the impor-

ance of that location. As you look around the location the mouse pointer changes from an arrow to a credit card or a speech icon, depending on what you're pointing at.

Batmen

Although a cross between a graphic and text adventure *BAT II* encompasses other elements. There are four flight and one driving simulators, which can be set on manual or automatic. You can't damage yourself in the simulations

THE BIODIRECTIONAL ORGANIC BIOPUTER

Every BAT agent has a BOB, and BOB II is even better than the the original. In real time BOB will analyse your agent, monitor all his bodily functions and control his heartbeat.

Clicking on the first icon brings up this screen. It displays your characteristics as a mark out of 100 and shows you how far you've progressed in terms of experience - and how much of the game you've completed.

FORCE	032
INTELLIGENCE	044
VITALITY	032
PERCEPTION	100
REFLEX	031
CHARISMA	116
EXPERIENCE	027
PROGRESSION	01
EXIT	

The Programming Module is basically a simple flow chart designing program. The language you program in is called 'Parallel Token', you only use pictures to design procedures and you can have up to five programs running at once. Exiting the program editor automatically sets off the compiler to convert your program to binary code.

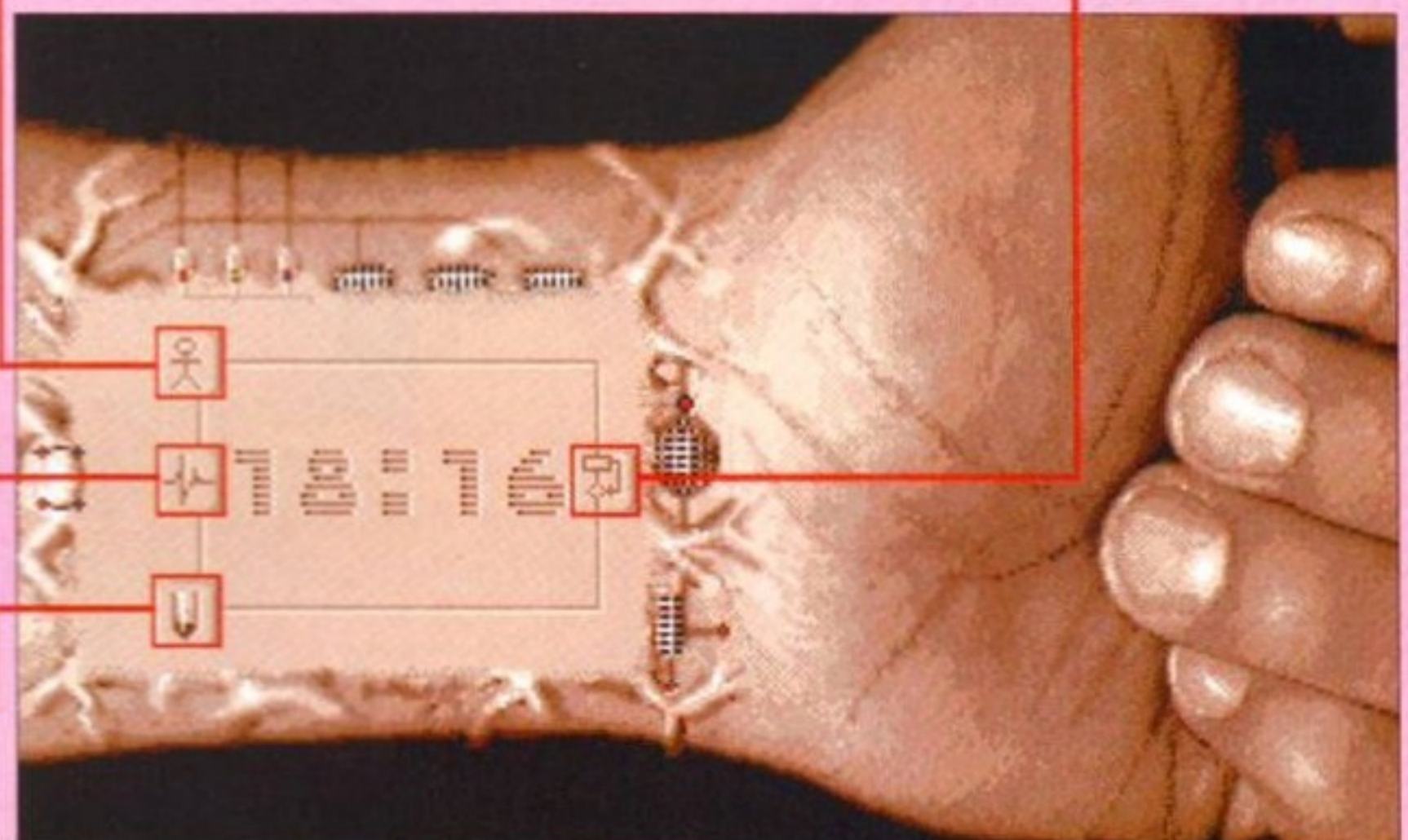


Accessing this screen lets you measure the agent's heartbeat, gives you a body map with damaged areas coloured and enables you access to a diagnostic sub to program.

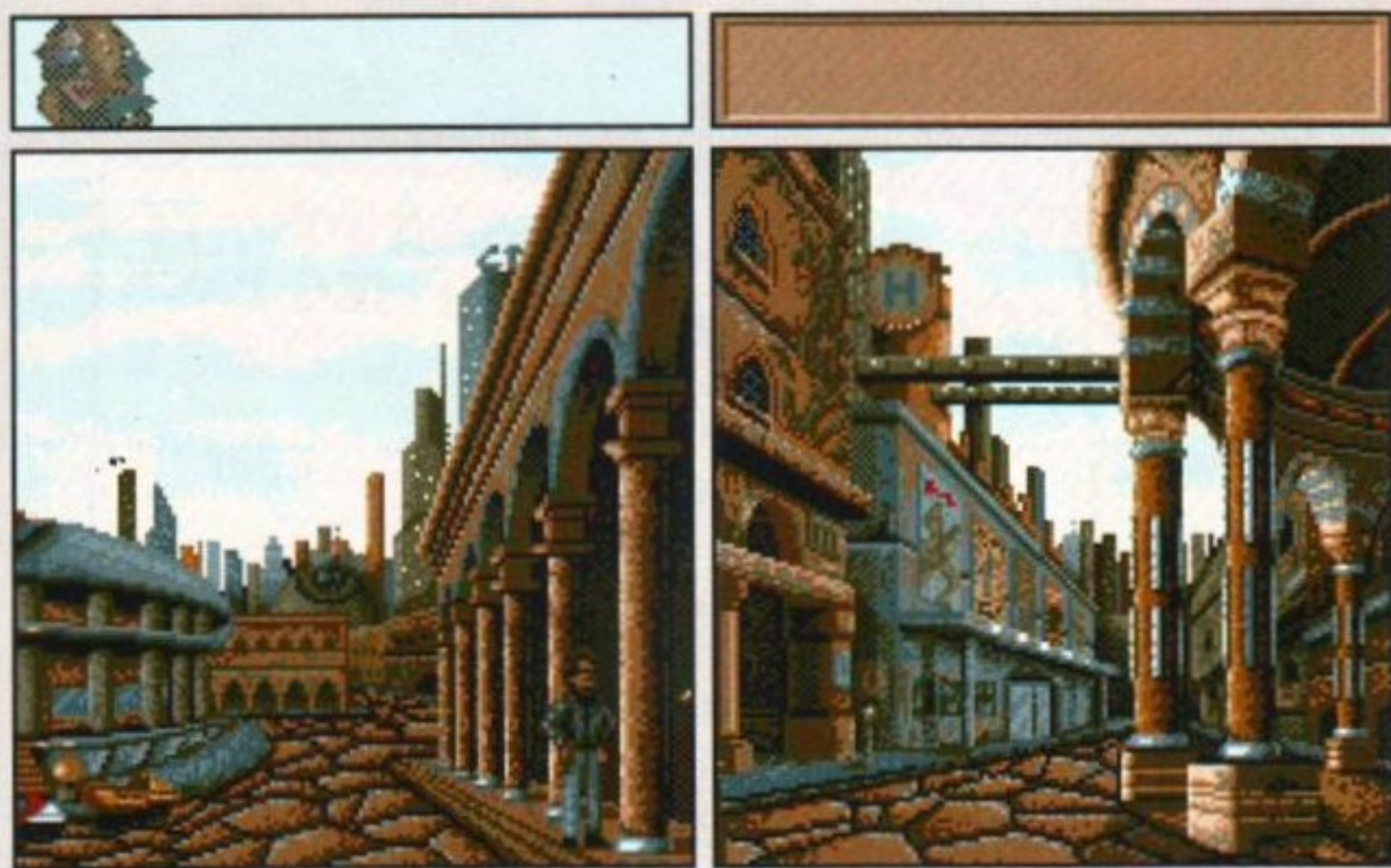


Each BAT agent, when recruited has a series of cybernetic implants surgically placed in his body. These are switched on by clicking on the function that you wish to operate. These are active for a short while so use your time well.

ATS 34	(S1)
FIBRINE	(S2)
HYPERCEP	(S3)
MORPHO L7	(S4)
PSY	(S5)
EXIT	



This is the BOB interface set into the BAT agent's wrist. You can get by without using the bioputer but you've got a much better chance if you master the programming techniques.



Most of the city looks like this. High-tech paradox, a mix of Roman architecture and technology influenced by the mix of races that inhabit the planet.



Design your own agent, every characteristic can be decided on, even down to his looks

and travelling manually is cheaper, but takes longer. A lot of work has been put into getting longer fields of vision in the 3D simulations, which gives the movement a more realistic feel to it. The simulations aren't just there for fun; they're the only way to travel further down the street you're on.

Your inventory is set up like a set of Russian dolls: a bag inside a bag inside a bag. So you have to make sure you put things sensibly in your rucksack otherwise valuable time is spent trying to sort out the contents of your handbag when you should be collecting clues.

It's not all fun, fun, fun

There's an arcade section that not only gives your brain cells a rest but it's a good way to keep the cashflow flowing. There are three

arcade games in total comprising a *Breakout* clone where you control not one bat but four, a Chinese chequers game and a weird thing in which you control mercury flowing through various pipes and taps.

At the beginning of the game you are given the option of which BAT agent you wish control. Jehan Menasis is the agent you 'get free', but you can design your own with specific qualities, like 85 per cent charisma. A smarmy, handsome young man can creep his way around even the hardest-souled women.

Gimme five

BAT II comes on five disks and is not hard disk installable, though it does make use of extra disk drives. Whileloading doesn't take long it still ruins the atmosphere somewhat, and in a game like this the atmosphere is a big part of the enjoyment.



The flowers around the speech bubble mean this girl is hot to trot. If she wasn't friendly then there would be lightning.



One of the first places you come across is the Astroport. You can take the Via to anywhere within the city from here or just hang around and chat to a few tourists.



Taking manual control of the Via is cheaper than hiring a driver. But you run the risk of being caught speeding, and getting fined.

Along the way you recruit allies. Before sending them on a mission make sure you give them a videopager so they are always in contact with you. You also meet a host of enemies. When in combat you choose between a text-controlled strategy fight or an arcade bash up where you get to unleash your pent-up angers on some rather dodgy-looking aliens.

BAT II is not copy protected, the coders have used the much maligned dongle protection system. Herve Lange of Computer's Dream explains: "We find that dongles are adequate protection against piracy, and it is the programmers fault if it is easily foiled." We will have to wait and see if his theory is right.

" This is the sort of game you get lost in... immerse yourself in tomorrow's world "

There are over 400 animated sequences, the colours of the city change as night falls to a dingy blue grey; overall *BAT II* looks very, very nice. There's enough detail to hold your attention even if you're not getting very far, if say you're a novice to adventuring. This is the sort of game you get lost in, it's so huge it's difficult to know where you've been and where to go to next. But if you enjoy immersing yourself in tomorrow's world, playing a modern-day Sherlock Holmes then *BAT II* will keep you from the horrors of the real world long enough to maybe forget for a while.

Clare Hodgson

BAT II UBISoft ■ £34.99

- Bigger than huge.
- Some really smart graphics, animation and sound. WOW.
- A bit too involved for the novice, you have to live and breathe *BAT II*.
- A cyberpunk's dream. But the gameplay is slow at times.
- Not hard disk installable. With five disks to swap between this can be infuriating



84%

DYNAMITE



PRICE CRASH NEW AMIGA 600

£269.95

- THE NEW AMIGA FEATURING**
- ★ ON SITE MAINTENANCE
 - ★ SMART CARD FACILITY
 - ★ BUILT IN T.V. MODULATOR
 - ★ IDE HARD DRIVE CONTROLLER
 - ★ DELUXE PAINT III
 - ★ MYSTERY GAME
- SPECIAL INTRODUCTORY OFFER**
- A600 HD INC 20Mb HARD DRIVE **£459.95**
- (THE HD VERSION DOES NOT INCLUDE DPAINT III OR A GAME)

AMIGA A500 PLUS V.2 CARTOON CLASSICS 2 MEG PACK

That's right! We've managed to source some A500 PULSES, the most expandable AMIGA you can get!

The Pack comprises:-

- ★ LATEST A500 PLUS V2 COMPUTER
- ★ MASSIVE 2 MEG RAM
- ★ DELUXE PAINT III ★ LEMMINGS
- ★ BART SIMPSON ★ CAPTAIN PLANET

ALL FOR JUST **£299.99**

- ★ UNBEATABLE MONITOR DEALS, SAVE £££S
- COMMODORE 1084S **£204.95**
- PHILIPS 8833 MKII..... **£169.95**
- GOLDSTAR TV/MONITOR..... **£159.95**
- * These prices are only applicable when a monitor is purchased with any Amiga. Add £15 if you wish to purchase them separately.

NEW SUPER LOW PRICES! GVP SERIES II HD 8+ 52MB

£329.95

- CONFIGURATIONS UP TO 8 MEGABYTES AVAILABLE: (A500)**
- 52MB 0MB RAM **£334.95**
 - 52MB 2MB RAM **£369.95**
 - 52MB 4MB RAM **£429.95**
 - 52MB 8MB RAM **£539.95**
 - 120MB 0MB RAM **£439.95**
 - 120MB 2MB RAM **£479.95**
 - 120MB 4MB RAM **£539.95**
 - 120MB 8MB RAM **£649.95**

- A1500/2000:**
- Series II HC 8+ 52MB **£264.95**
(Up to 420MB/8MB RAM available!)
- A530 Combo:**
- 40MHz + 52Mb HD + 1MB RAM **£659.95**
- PC 286 EMULATOR**
- 16MHz Module for Series II **£219.95**

STEREO COLOUR MONITORS COMMODORE

1084S
£214.95

PHILIPS
8833
MKII

£179.95

FREE F19 Stealth Fighter + 12 month on-site maintenance

* CABLE TO YOUR COMPUTER ONLY £3.99 WHEN PURCHASED WITH MONITOR

★ DISK DRIVES ★

ALL OUR DRIVES INCLUDE:
TEN x 3.5" DISKS + 3.5" CLEANER KIT
FREE OF CHARGE!!

- * DIRECT A500 INTERNAL REPLACEMENT **£39.95**
- * CUMANA CAX 354 Slimline design ... **£49.95**
- * Power PC880E Featuring Anti-click device **£49.95**
- * Power PC880B with Blitz/virus hardware **£69.95**

* This offer will run for a limited period only *

AMIGA CDTV SUPER DEAL

£349.99

Save £250 by trading in your Amiga 500 for a multimedia pack:

- * AMIGA CDTV * KEYBOARD
 - * FLOPPY DISK DRIVE * MOUSE
- CALL NOW FOR DETAILS
* OFFER CLOSES END OF SEPTEMBER

AMIGA 1500 PACK

- FEATURING:
- ★ LATEST MODEL, INCORPORATING Workbench, Kickstart 2.0
 - ★ GETTING THE MOST OUT OF YOUR AMIGA (book)
 - ★ PLUS:- Home Accounts, Platinum Works, Deluxe Paint III, Puzznic, Elf & Toki
- £539.95**

This machine is designed for use with a monitor (SEE OFFER), or a TV modulator can be bought for £19.99

KLONDIKE DEALS

DYNAMITE COMPUTERS
DIG DEEP FOR
THESE SPECIAL
BARGAINS.....

★ AMAZING SOFTWARE CLEARANCE ★

THIS MONTHS SPECIALS: AGONY £12.99, LAZER SQUAD + CHAOS £8.99

- | | | |
|-----------------------------------|--------------------------------|-----------------------------|
| * Back To The Future II£3.99 | Ninja Rabbits.....£5.99 | Barbarian II£12.99 |
| * Nightbreed£3.99 | Battleships£5.99 | * Jimmy White.....£12.99 |
| * Days Of Thunder.....£3.99 | Pacmania£5.99 | WWF£12.99 |
| * Heroes Of The Lance.....£3.99 | Immortal£7.99 | Terminator 2£12.99 |
| Shadow Of The Beast II£4.99 | Bart Simpson.....£7.99 | Cisco Heat£12.99 |
| Captain Planet£4.99 | Horror Zombies.....£7.99 | Outrun Europa£12.99 |
| Lemmings£4.99 | * TV Sports Football.....£7.99 | 4D Boxing£12.99 |
| Bubble Bobble£4.99 | Megalomania£9.99 | * Wolfpack£12.99 |
| Head Over Heels.....£4.99 | Populous + Lands.....£9.99 | Chessmaster 2100.....£14.99 |
| Colossus Chess X.....£5.99 | * Pro Tennis£12.99 | Astra Ten Games.....£17.99 |

HURRY HURRY - LIMITED STOCKS AVAILABLE
NB * denotes not A500 Plus/A600 Compatible

COMPUTERS

THE PRICE BLASTERS

NEW LOW PRICES

★ ART STUDIO★

Deluxe Paint II	£4.99
Spritz Paint	£4.99
Deluxe Paint III	£9.99
Fantavision	£9.99
Photon Paint V2.0	£9.99
Deluxe Paint IV	£54.99
Walt Disney Animator ...	£64.99
Professional Draw V.2. ...	£89.99

NEW LOW PRICES

★ VIDEO STUDIO★

Vidi Amiga + Vidi Chrome ..	£49.99
Rombo RGB Splitter	£29.99
Take 2 Animation Package ..	£24.99
Complete Colour Solution ..	£69.99
Colour Solution + Take 2 ..	£89.99
Rocgen Genlock	£84.99

AMAZING DYNAMITE DEAL ROCGEN PLUS GENLOCK

£99.95

Normal RRP £199.99
WHILST STOCK LASTS!

NEW LOW PRICES

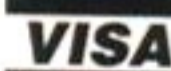
★ SOUND STUDIO★

Music X Junior	£9.99
Midi-Master Interface + 2 Midi Cables + Music X Junior	£24.99
Music X 1.1	£19.99
Rombo Mega-Mix	£24.99
GVP Sound Studio	£49.95
Bars and Pipes	£89.95
Bars and Pipes Pro	£179.95

HOW TO ORDER



Call us NOW on
0234 214212



Send Cheque or postal order to



DYNAMITE COMPUTERS
Dynamite House
44a Stanley Street
Bedford MK41 7RW

NB Please write cheque guarantee card number on the reverse of cheque to ensure same day clearance (cheques without card number subject to 10 day clearance)

Call into our showroom for a fast and friendly service

Retail/Queries **0234 364428**



DELIVERY CHARGES*

£2.95 for orders less than £100
£4.95 for orders over £100
Next day express service £7.50
Saturday delivery only £15.00

*Charges applicable to UK mainland only

PLATINUM SERVICE CARD

Only £19.99!

- Features:
- Next day courier delivery
 - 30 day exchange for new
 - 1 year guarantee giving free collection and delivery should a fault occur.
- All prices subject to availability and may change without notice. E & OE

★ STAR/CITIZEN★ PRINTERS

CITIZEN 120D+	£109.95
STAR LC20	£119.95
CITIZEN SWIFT 9	£169.95
STAR LC200	£169.95
STAR LC24-20 (NEW)	£179.95
STAR LC24-200 (MONO)	£199.95
CITIZEN 224	£209.95
STAR SJ48 BUBBLEJET	£214.95
STAR LC24-200 (COLOUR)	£249.95
* CITIZEN SWIFT 24e	£264.95

* Complete with free colour kit whilst stocks last

ACCESSORIES

PARALLEL PRINTER CABLE	£3.99
UNIVERSAL PRINTER STAND	£3.99
200 SHEETS OF CONTINUOUS PAPER	£1.99
COLOUR KIT OPTION FOR SWIFT 9/224/24e	£34.95

★ POWER HAND SCANNER★

FEATURING:

- ★ LATEST VERSION 2 SOFTWARE
- ★ 64 GRAYSCALES
- ★ 100 - 400 DPI

PLUS FREE PHOTON PAINT 2.0 (RRP £89.95)

A DYNAMITE EXCLUSIVE AT £99.95

★ MEMORY ★

512K RAM EXPANSION (1.3)	£15.95
512K RAM EXPANSION PLUS CLOCK	£19.95
1MB RAM EXPANSION (A500 PLUS)	£29.95
1Mb by 8 SIMM boards (GVP)	£24.95

A500 RAM BOARDS

(fully auto config/full thru' port)	£119.95
2Mb	£179.95
4Mb	£279.95
8Mb	£279.95

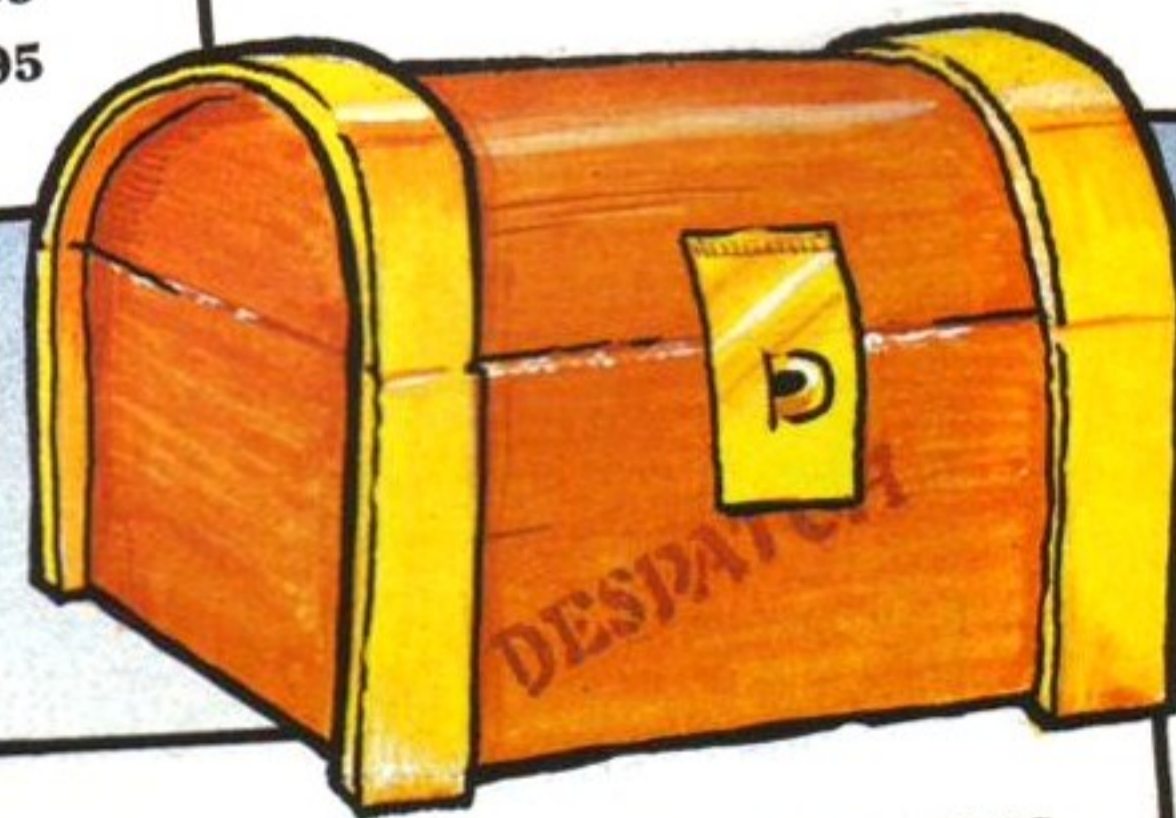
ACCESSORIES/EXTRAS

10 BLANK DISKS (3.5 DS/DD)	£3.99	ZIPSTICK SUPERPRO JOYSTICK	£9.99
50 BLANK DISKS (3.5 DS/DD)	£17.99	QUICKJOY TOP -STAR JOYSTICK	£14.99
QUALITY MOUSEPAD	£1.99	AMIGA SOFT DUSTCOVER	£3.99
40 CAPACITY LOCKABLE BOX	£2.99	AMIGA PERSPEX DUSTCOVER	£9.99
80 CAPACITY LOCKABLE BOX	£4.49	REPLACEMENT MOUSE	£9.99
ROLL OF 1000 3.5" DISK LABELS	£6.99	REPLACEMENT TV MODULATOR	£19.95
MOUSE/JOYSTICK Switcher box unit	£9.95	REPLACEMENT POWER SUPPLY	£29.95

TO PLACE YOUR ORDER PHONE THE DYNAMITE HOTLINE

0234 214212

DYNAMITE HOUSE, 44a STANLEY STREET, BEDFORD



STOP PRESS • STOP PRESS • STOP PRESS •

PRO WRITE (Wordprocessor)	Only £19.99
MAXIPLAN (Spreadsheet)	Only £19.99
INFOFILE (Database)	Only £19.99

OR ALL THREE FOR A FANTASTIC **£49.99**

* N.B. These titles are not Plus/A600 compatible

System 3 have had plenty of stick about their recent games, but their new release redresses the balance. Batten down the hatches and seal up your window panes 'cos it's time for...

Putty



The nasty evil Dweezil (an orange cat which is the equally evil Dazzledaze the Wizard's sidekick) sticks his head through the backdrop to poke fun at you for not saving one of those crying babies.

As he slept in his homely hole on Putty Moon, Putty began to dream about his old Grandpa...

"Ee, you must remember as well as I do, young Putty. The Moon used to be a quiet place, and our people lived in peace and harmony. Until, that is, the evil Wizard Dazzledaze and his cohort Dweezil the cat decided to pick on us. Sold us off for chewin' gum, they did. Daylight robbery. And what did you do? You just sat there, didn't you, whinging about how you had a cold.

"Well now it's time for action, young Putty, ACTION! There is only one way to rid the Moon of its evil presence, and that's to help the Bots to build a tower from the planet Zid to the Moon. When it's completed, the Bots will be able to climb up it to vanquish Dazzledaze and Dweezil once and for all. Only trouble is, the Wiz has captured the Bots as well and frozen them in ice. Only you can rescue them.

"The future of the Moon is in your hands, young Putty, or whatever you have for hands, at least. Don't let us down."



With the vision of Grandpa gradually fading away, Putty awoke. After he got up and stretched a bit, he decided that today was the day when he should change from being a lazy, cowardly blob and do something about the wicked Wizard...

**"From psychotic carrots which yell
"Uzi 9-centimetre!" to
Shockapillars... they are deadly"**

You take control of Putty as he (Is it a He? How can you tell with an amorphous blob of blue matter?) attempts to free the Bots from their captivity, and return them to their spaceship. Not only are the levels of Putty Moon difficult to negotiate for an amorphous blob such as yourself, but also Dazzledaze and Dweezil have sent a whole army of nasties to thwart your efforts.

It must be really difficult nowadays to think up a new scenario for a platform game, but System 3 have not only come up with a good story, but a superb game as well. Not since *Robocod* have we seen graphics of this quality. It's got incredibly colourful and detailed backgrounds, superb scrolling and great characters.

The main character, Putty himself, is a small but perfectly formed sprite which is very nicely animated. As he moves along, little feet are formed in his flexible form, and his eyes point in the direction he walks. The eyes aren't fixed to his body, they sort of 'float' on the top so when he falls they follow his body a split second later.

He can be made to stretch into all manner of shapes, look around corners, absorb the enemies and take on their shape - he's basically the most versatile hero since Arnie Schwarzenegger (and you don't often see Arnie inflate himself to huge proportions then explode, do you? I rest my case).

AMIGA FORMAT

82

NOVEMBER 1992

PUTTY, IN YOUR HANDS

- Large exploding Putty:** this is achieved by waggling the joystick up and down, and has a 'smart bomb' effect.
- Being amorphous:** Putty can easily flatten out so he can absorb things.
- Bouncing Putty:** Notice how his eyes display direction.
- Slithering Putty:** little feet are formed as he walks.
- Normal Putty:** just waiting for something to happen.
- Punching putty:** letting go a Putty knuckle sandwich.
- Morphing Putty:** absorb an enemy to take its shape.
- Absorb:** squelch down to absorb organic items.
- Stretchy Putty:** elongate the blobby hero to reach high platforms, zoom along the floor, or nip past the enemies when they're not looking. This is Putty at his most flexible. Just look at him go!



Aw, a cute little teddy bear. At least until he stands up and starts attacking you, shouting "Achtung" in a menacing manner. Still, that's part of the appeal of the game.



Look down! Look down! There's some false teeth down there just ripe for the absorbing. And once you have them you can absorb all the big nasties you find on later levels.



Putty slides and stretches his way past a distinctly Egyptian gentleman who continually gobs spit at you. How disgusting.



Yes, here's Dweezil again, but this time he's brought a flying saucer to squash you with.



Lots of cute little Bots all hanging around at the local milk bar, gossiping and generally having a good time. Should you rescue them? Where do they go? You'll have to buy the game and find out...

The nasties usually attack in large formations, and may take on one of a huge range of different forms. From psychotic carrots which yell "Uzi, 9-centimetre!" as they offload a few rounds at you, to Shockapillars (electric caterpillars), they are generally very deadly but at the same time strangely cute...

Have I mentioned sound? Well, this game has the most bizarre sound effects since *MegaLo-Mania*: a huge collection of sampled bells, whistles, pops and screams all of which actually add an enormous amount to the game. In fact the sound effects are one of the first things people notice about Putty, and they draw you in immediately.



Uncle Ted arrives just in the nick of time. He is accompanied by his incredible musical instrument, making the nasties dance like crazy fools!

You are rubber

The first level is basically a trainer, which enables you to bounce around to your heart's content, getting used to the control system. This screen even has little arrows pointing around the level which are labelled with actions (eg Bounce), which is good because control is difficult at first. Anyway, after five minutes of play it all becomes second nature.

The first screen only has one Bot on it, along with a few nasties, so saving him is easy. It quickly becomes apparent that the Bots are not only harmless aliens, but also inordinately stupid. How they can build a huge tower from Zid to the Moon when they can't find their way back to the spaceship I don't know.

All seems serene and gentle until... Aaarghh! The second level really drops you in at the deep end, with loads of horrible aliens and three Bots to save. The Psycho Carrot makes his first appearance here, and he is instantly likable even though he's trying to pump you full of lead. Punch him to reveal a crying baby (oh, I nearly forgot - Dazzledaze kidnapped a load of babies and turned them into the nasties), and then absorb the baby for extra points. The Bots actually move around on this level, and if attacked by an alien they will leap to their death, lemming style, so you have to get to them quickly.

Credits are picked up along the way, arcade style, and a continue option is provided so that you can start from the same place with a new set of lives - and you need them, too. If and when you lose all your lives, Dweezil the cat pops up, Looney Tunes style, and yells "Too Bad!" at you, with a bit of cartoony music playing over the top.

I am glue

I really can't say enough about this game. I could sit and write for a few weeks and fill the pages of this magazine about all the beautiful graphics, marvellous sound effects and neat little touches which make it so special, and then go back and play it again and still find something different. It is that expansive. At the same time, though, it's incredibly playable, the sort of game that will keep young and old coming back again and again for months.

With elements of *Dropzone* and *Robocod*, the cuteness of, well, something indescribably cute, and the most bizarre sound effects ever, it's easily the best platform game I've ever played, and certainly in the running for the best game ever on any computer. With the recent release of *Zool* and now this game, the Amiga is yet again confirmed as the games machine to have.

Andy Nuttall

THESE ARE A FEW OF MY FAVOURITE (AND LEAST FAVOURITE) THINGS



Uncle Ted diverts foes for 30 secs with his songs.



Pocket watch for 30 secs of extra time.



False teeth: absorb four baddies.



Jump straight to the bottom of a level.



Jump straight to the top of a level.



Dweezil power: Invulnerability bonus 30 secs.



Three not so helpful souls. The Magician's Rabbit, the Clockwork Orange, and a Sausage with with a big mouth.



And a pair of good guy Bots. Great trainers! Shame about the ice-trap.



Putty System 3 ■ £25.99

- Indescribably good graphics, sound, characters, music and presentation.
- Neat, original touches which make the game more fun, and keep you coming back for more and more.
- Control is difficult at first, but you soon get the hang of it.
- Loads of levels which will keep you going for months to come, and the children quiet over Christmas.



95%

MicroMAIL YOUR *BEST* PRICE

AMIGA A600 SUPERDEALS

SUPERDEAL ONE

The **NEW** A600 Computer complete with DELUX PAINT III plus **FREE** of charge JOYSTICK, MOUSE MAT, WORD PROCESSING, DATA BASE, SPREAD SHEET, 5 BLANK DISKS, and a Mystery Game.

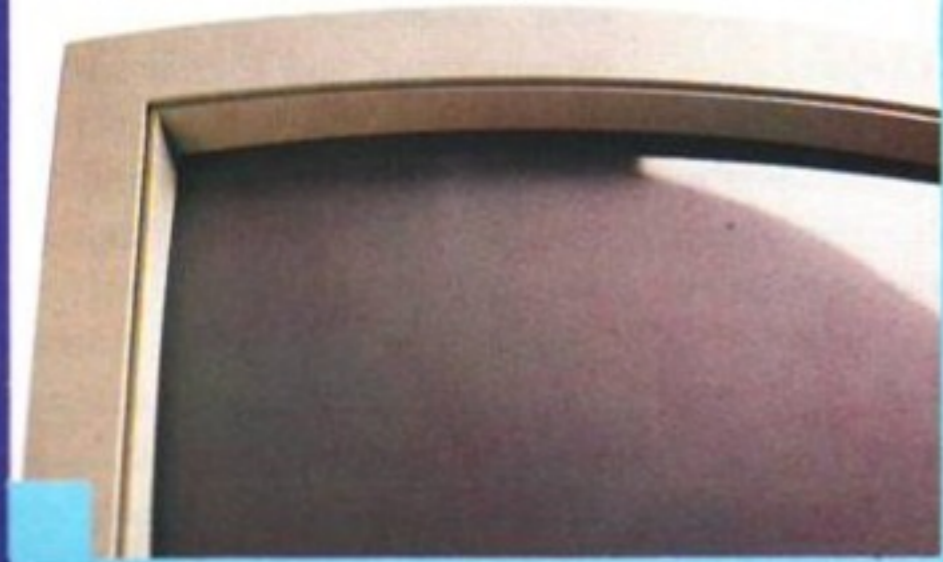
RRP ~~£359-00~~
SUPERDEAL PRICE
£299-00

ALL PRICES INCLUDE VAT UNLESS OTHERWISE STATED

ALL MAJOR CREDIT CARDS ACCEPTED

Monitors

All monitors include leads
 Commodore 1084S P2 £199-00
 Phillips 8833II £199-00
 Commodore 1950 M-sync £586-00



Printers

All printers come with leads
 Star LC20 mono £149.00
 Star LC24-200 mono £235.00
 Star LC24-200 colour £275.00
 Star LC200 9 pin colour £195.00
 Star XB24-200 colour £355.95
 HP Deskjet mono £353.00
 HP Deskjet colour £583.00
 HP Laserjet IIIP £937.00
 HP Laserjet III £1192.00
 HP Paintjet £540.50



Accessories

Amiga 600 Dust cover £3-99
 Monitor Dust cover £4-99
 Star LC24-200 Dust cover £4-99
 Star LC200 Dust cover £4-99
 Monitor stand £12-99
 Printer stand £7-99
 Joystick cable £5-99
 Mouse mat £2-99
 Naksha mouse £24-99
 Squick mouse PC £17-99
 Squick mouse A500 £14-99
 Roboswitch £11-99
 Parallel printer lead £5-99
 Commodore A501 RAM £39-99
 Virgo RAM £29-99
 Control centre £44-95
 10 Disk box £3-99
 40 Disk box £4-99
 80 Disk box £7-99
 120 Disk box £10-99
 Rendel genlock P.O.A

Consumables

Printer paper 1000 sheets £12.99
 Disks, 50 unbranded £20.00
 LC200 ribbon mono £5.50
 LC200 ribbon colour £11.00
 LC24-200 ribbon mono £5.00
 LC24-200 ribbon colour £12.50

ONLY £5.00 Membership Fee to Our Software Discount Club with Purchases Over £25.00

Sega SONIC II PLACE YOUR ORDERS NOW

Sega game gear with Sonic £119.99
 Sega game gear TV tuner £72.99
 Sega master system II £54.99
 Sega mega drive with Sonic £119.99



GOVERNMENT-INDUSTRY AND EDUCATIONAL ORDERS WELCOME.

VISIT OUR SHOWROOM; OPEN MON TO SAT 9-5.30 OR RING

AMIGA SPECIALISTS

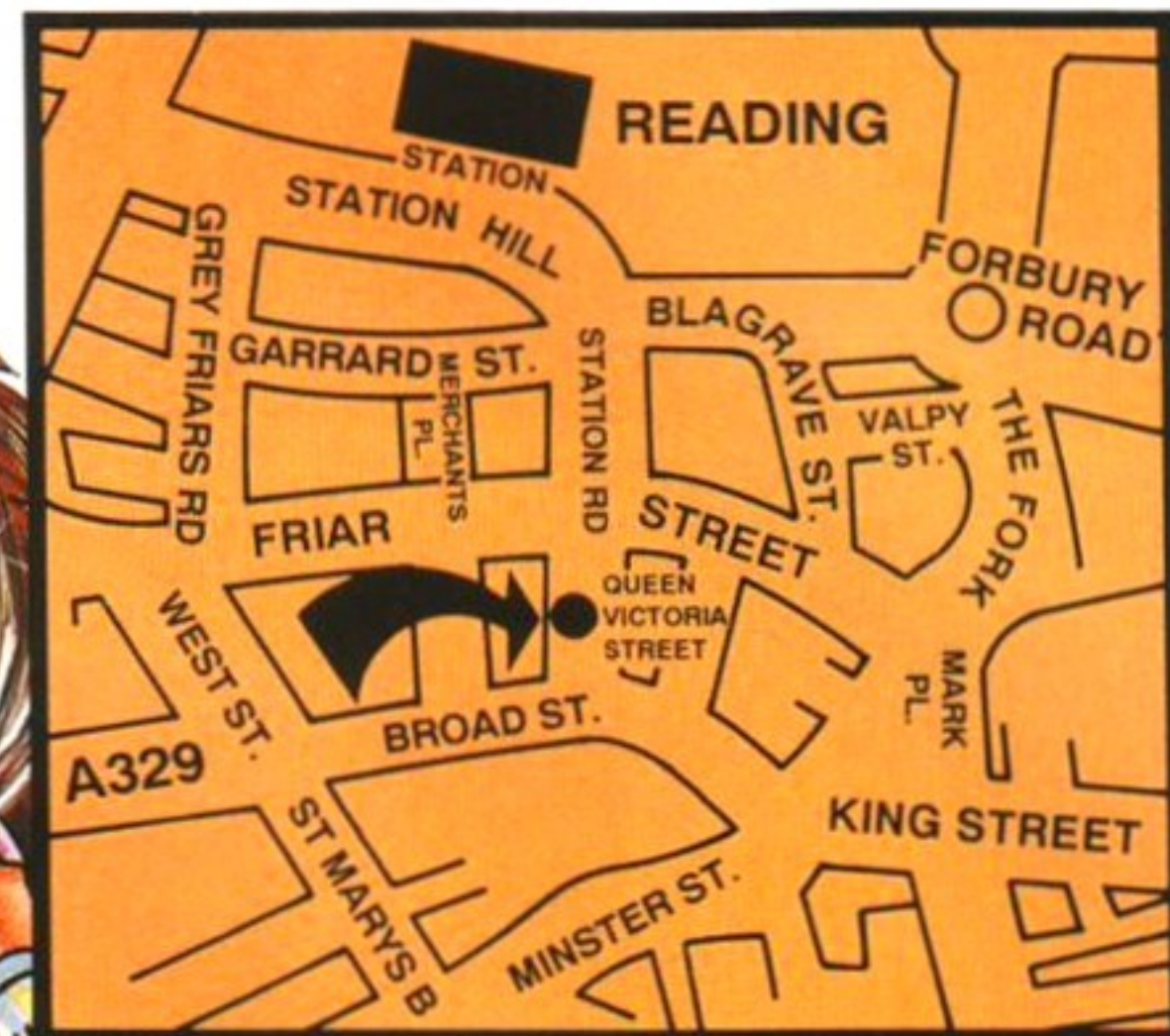
VISIT OUR SHOWROOM

SUPERDEAL TWO
 NEW A600 Computer
 with DELUX PAINT III,
 MICKY, SILLY PUTTY,
 and PUSHOVER.

FREE of charge:
 MICKY, MOUSE MAT,
 10 BLANK DISKS.
~~£399-00~~
SUPERDEAL PRICE
£349-00

RING OUR
 SALES HOT LINE

**0734
 505514
 NOW!!**



0734 505 514

**THIS MONTHS
 SPECIAL OFFER**

PRINTER STAND
 £5-99 inc. P&P

AVIATOR JOYSTICK
 £26-99 inc. P&P

INTRUDER JOYSTICK
 £22-99 inc. P&P

Disk Drives

G.V.P hard drive 52 meg	£349.00
Cumana disk drive	£58.95
Rotec disk drive	£57.95
Roelite disk drive	£64.95



How to order

Next day delivery for credit card orders placed before 3.00pm subject to availability. Alternatively send cheque/postal order to Micromail Ltd, 8 Queen Victoria Street, Reading, Berkshire.

Please allow 5 working days for cheque clearance. Subject to availability despatch is normally within 24 hours of receipt of cleared payment.

DELIVERY CHARGES; UK	Mainland (not Highlands)
Small consumables & software items	Despatched by post, please check charges when ordering.
Other items except lasers	Next day courier service. £10.00 per box.
Laser printers	Next day courier service. £17.50
Offshore & Highlands	Normal rate plus £10.00 + VAT per box
In addition we have the following express service:	
Saturday deliveries	Normal rate plus £10.00 + VAT, surcharge
7am - 9am next day	Normal rate plus £10.00 + VAT, surcharge
am next day	Normal rate plus £10.00 + VAT, surcharge (the above surcharges are per box)

Prices are subject to change without notice E.&O.E



8 Queen Victoria Street
 Reading
 Berkshire
 RG1 1TG

Tel. (0734) 505514
Fax. (0734) 581247

Amiga Software

ZOOL	P.O.A
HUMANS	P.O.A
SHADOW OF THE BEAST III	P.O.A
WIZKID	P.O.A
Sensible Soccer	£18-50
Monkey Island II	£28-50
Premiere	£24-50
Vikings	£20-99
The Games	£23-99
Crazy Cars III	£20-99
Fire & Ice	£20-50
Dyna Blaster	£24-99
Mega Traveller II	£24-50
Civilization	£26-50
Badlands	£9-99
Hagar the Horrible	£18-50
Stun Runner	£4-99
Bubble Bobble	£4-99
Font Grabber	£49-99

Joysticks

Apache 1	£6.99
Python 1.m	£8.99
Jet fighter	£11.99
Superboards	£14.99
Top star	£20.99
Cheetah Bug	£12.50
Zip Stick	£13.99
... and many others	



OUR SALES HOT LINE 0734 505514 FOR NEXT DAY DELIVERY

AMIGA POWER

The magazine with the right attitude.

Officially the
world's best-selling
Amiga games magazine!

60,184

copies now sold
every month!

"This
is what
you want,
this is what
you get"

AMIGA POWER POLICY OF TRUTH

- We won't review unfinished games just to claim an exclusive.
- We don't pander to games publishers - we say what we really think.
- We only use experienced, professional reviewers.
- We won't bore you with mountains of technical-jargon-hardware tedium.
- We take games seriously, because you do too.

Public Image Limited
Virgin Records 1988

OFFICIALLY
THE WORLD'S
BEST-SELLING AMIGA
GAMES MAGAZINE!

POOL

AQUATIC GAMES

ASSASSIN

Future
PUBLISHING

Your
guarantee
of value



ISSUE 19 £3.50 NOVEMBER 1992

DON'T BUY AN AMIGA GAME UNTIL YOU READ THIS!

AMIGA POWER

A MAGAZINE WITH ATTITUDE

MINDSCAPE
THE SECRETS OF
THEIR SUCCESS

...AND THEIR HITS TO BE

EXCLUSIVE!
TWO FULLY PLAYABLE
DEMOS

**OH NO!
IT'S...
LEMMINGS 2
UNVEILED IN
THIS ISSUE!**



**11
PAGES
OF TOP
TIPS!**

Everything
you need
to know
about

The
**Future
Entertainment
Show**

ISSUE 19

YOURS WITH ISSUE 19 OF AMIGA POWER

BILL'S TOMATO GAME

Manic cartoon
puzzling fun,
from Psygnosis.

disk
19



NO SECOND PLACE

Possibly the last word in 3D vector motorbike
racing, from
Thalion.

**AMIGA
POWER**

**NOVEMBER
ISSUE OUT
NOW!**

Featuring... Over 30 pages of reviews, a fantastic Lotus III competition, your guide to November's Future Entertainment Show, and (of course) much, much, more.

ONLY ONE MAN
CAN HANDLE THIS MUCH
ACTION AND ADVENTURE



Indiana Jones is a registered trademark of Lucasfilm Limited. LucasArts Games is a trademark of LucasArts Entertainment Company. Indiana Jones and the Fate of Atlantis
© 1992 LucasArts Entertainment Company. All rights reserved.

**GOLD
PHONE**

SPELLJAMMER • PROPHECY OF THE SHADOW • THE SUMMONING • DARK SUN • EYE OF THE BEHOLDER • LEGEND OF
DARKMOON (EYE OF THE BEHOLDER II) • DRAGONS OF FLAME • HEROES OF THE LANCE TEL. 0839 654 139
OPERATION STEALTH • ANOTHER WORLD • FLASHBACK • CRUISE FOR A CORPSE TEL. 0839 654 284 LUCASFILM
HELPLINE • LECHUCK'S REVENGE (MONKEY ISLAND 2) • INDIANA JONES: (LAST CRUSADE & FATE OF ATLANTIS) • LOOM •



The enemies prepare to blast the civilised world to Kingdom come as they race to retrieve the secret explosive buried in the Lost City of Atlantis.

Only one man stands in their way. The man with the hat...

In Lucasfilm's biggest computer blockbuster yet, Indy battles tooth and nail to save the world in his race to reach the mystical Lost City.

Point 'n' click your way through bruising fist fights ... soar over deserts ...

plunge under oceans ... and explore 200+ lavish locations.

Shoot the action from 4 different angles ... amaze your senses with the cinematic sound system ... and 'play and replay' with 3 challenging paths to saving the world from Hitler's fury ...

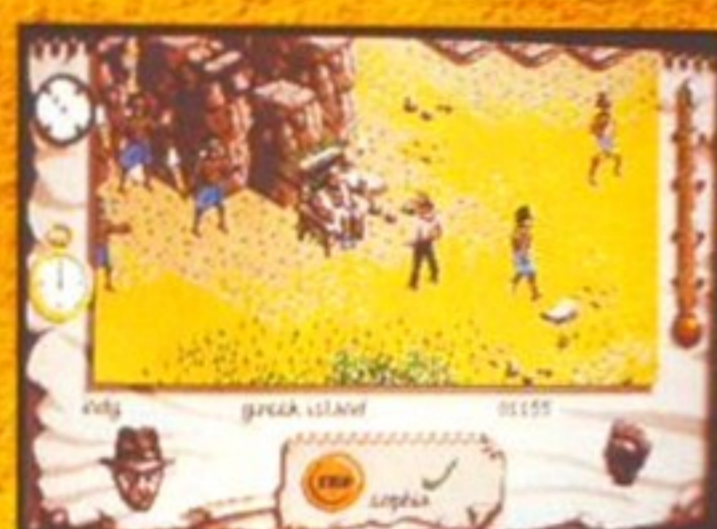
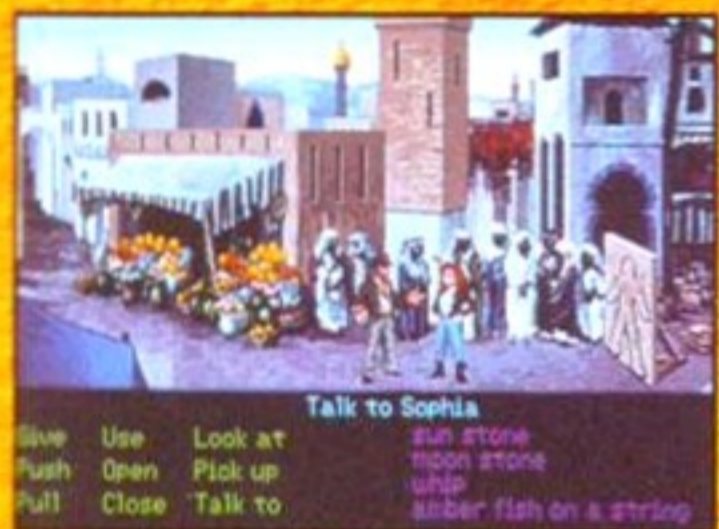
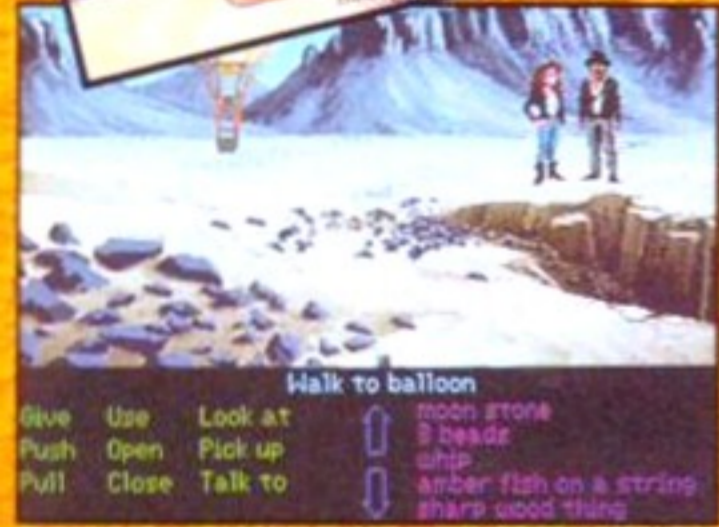
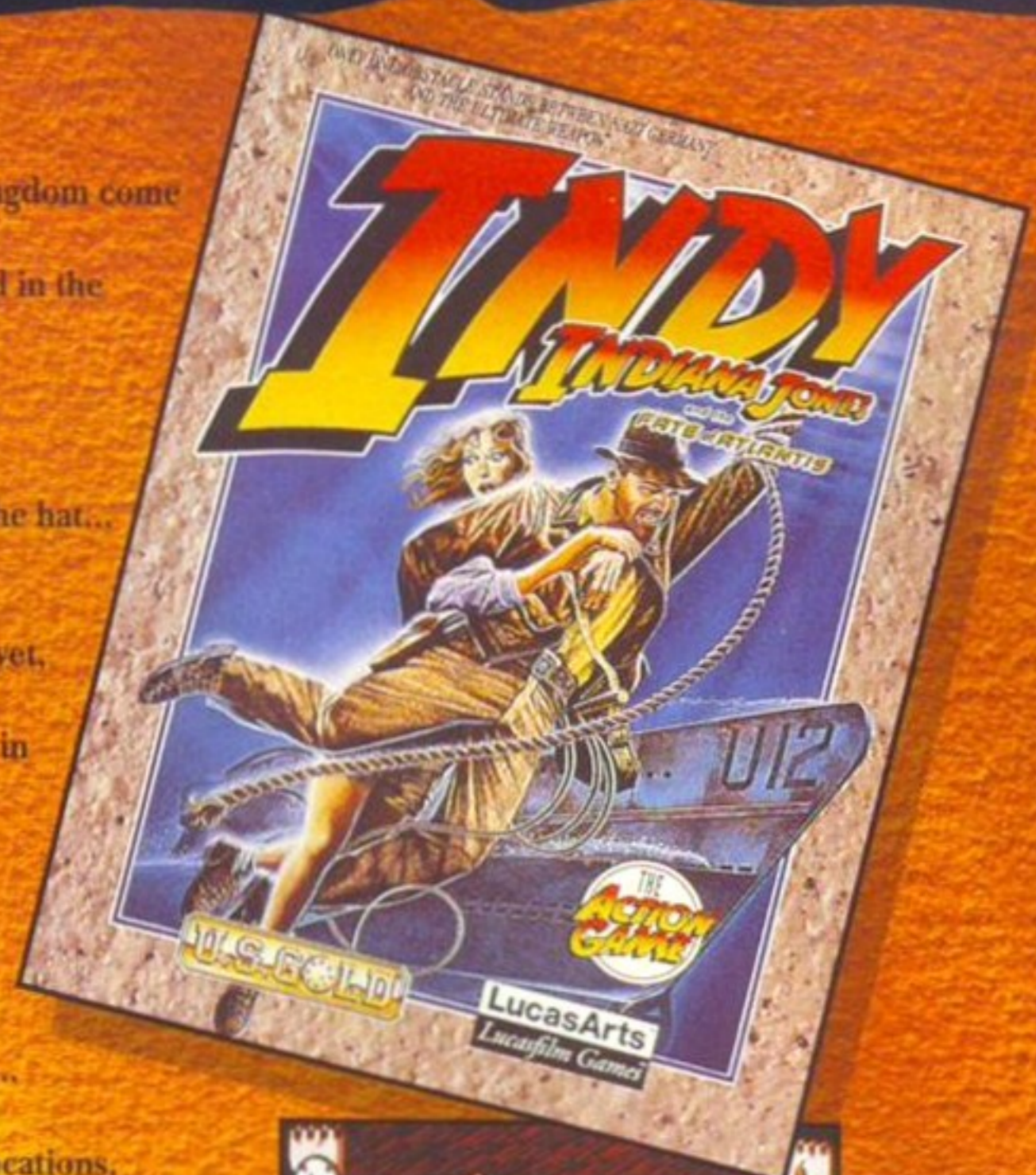
U.S. Gold and Lucasfilm Games present two thrilling versions of this feature game to test your nerve and brainpower - INDY IV GRAPHIC ADVENTURE and INDY IV ACTION.

The ACTION game dishes out all the excitement you can handle in a breathless race against evil. The GRAPHIC ADVENTURE Game

tests your grey matter with some of the toughest puzzles yet.

Individually, they're the hottest property this side of Atlantis.

Together, they're the ultimate Indy experience.



Screen shots are only intended to be illustrative of the gameplay and not the screen graphics which vary considerably between different formats in quality and appearance and are subject to the computers specification.

INDIANA JONES[®] and the FATE of ATLANTIS[™]

INDY ACTION AVAILABLE ON: Amiga, PC & Compatibles, Atari ST, Amstrad (128k only) and C64 Cassette & Disk and Spectrum cassette.

INDY ADVENTURE AVAILABLE ON: Amiga, PC & Compatibles.



Used under authorisation by U.S. Gold Limited, Units 2/3, Hollford Way, Hollford, Birmingham, B6 7AX. Tel: 021-625-3366. All other trademarks are acknowledged as the property of their respective owners.

ZAK MCKRACKEN • MANIAC MANSION • SECRET OF MONKEY ISLAND • BATTLE OF BRITAIN TEL: 0839 654 123
INFORMATION LINE: 0839 654 124 • LEGENDS OF VALOUR TEL: 0839 993 366 • ACCESS-HELPLINE:
AMAZON TEL: 0839 654 394 • SIR TECH HELPLINE: CRUSADERS OF THE DARK SAVANT TEL: 0839 994 477

LucasArts
Lucasfilm Games[™]

Service provided by U.S. GOLD LTD, UNITS 2/3 HOLLFORD WAY, HOLLFORD, BIRMINGHAM B6 7AX. If you are unable to access our permission to use the telephone, calls cost 20p per minute (standard rate) 40p per minute (all other times).

Mega meg (ə-), very big, **100%** Sega Mega Drive, comin' at ya on Thursday 17 September (that's soon). Magazine designed for all serious Sega gamersplayers. aka: the mag with the most, *The* guide to **Mega Drive and beyond...** Slogan: Got a SNES? That's you stuffed then. Philosophy: to be the best. From the makers of *Amiga Format* comes the ultimate guide to 16-bit Sega gamesplaying: essential news, in-depth reviews, gamesplaying guides and dirty cheats. Be part of it.

MEGA

100% PURE SEGA MEGA DRIVE...

**ISSUE ONE
IS OUT
NOW**

FREE CATALOGUE

COMPLETE & RETURN THE COUPON BELOW FOR A FREE 64 PAGE COLOUR AMIGA CATALOGUE

FREE! FROM SILICA



When you buy your new Amiga computer from Silica Systems, we will give you an additional £369.73 worth of software FREE OF CHARGE, including some great entertainment and productivity programs. These free gifts will introduce you to the world of computing and help you to get off to a flying start with your new Amiga. Plus, with every Amiga from Silica we will give you 16 nights FREE holiday hotel accommodation for you and your family to enjoy a break at home or abroad.

16 NIGHTS HOLIDAY HOTEL ACCOMMODATION
Every Amiga 500 and 600 from Silica comes supplied with a free 72 page colour brochure with accommodation vouchers. These entitle 2 people to stay up to a total of 16 nights in any of 250 hotels with accommodation FREE. All you have to pay for are your meals (prices are listed in the brochure).

ARCADE ACTION PACK:
10 Superb entertainment titles:
ASTERIX £24.99
CHESS PLAYER 2150 £24.95
DRIVIN' FORCE £24.95
LIVE AND LET DIE £19.99
ONSLAUGHT £24.99
PIPE MANIA £24.99
RICK DANGEROUS £24.99
ROCK 'N' ROLL £19.99
SKWEEK £19.99
TRIVIAL PURSUIT £19.95

PRODUCTIVITY:
PHOTON PAINT 2.0 £89.95
The recommended paint package
GFA BASIC V3.5 £50.00
A powerful basic interpreter
TOTAL VALUE: £369.73

WORTH NEARLY £370!

NEW! Compact Design

36cm x 24cm x 7cm
78 Key Keyboard

3 1/2" Internal Floppy Drive

1Mb RAM As Standard
10Mb RAM Maximum

Kickstart/Workbench
Latest version: v2.05

Built-in TV Modulator
For connection to a television

IDE Hard Disk Controller
For 2 1/2" Hard Disk Drives, (Upgrade kit to max 120Mb HD also Kickstart upgrade for HD support available soon)

Hard Disk Model Available
With 20Mb 2 1/2" Hard Disk Drive

Smart Card Slot
Built-in as standard

Trapdoor Slot
For optional plug-in Chip RAM and battery backed clock

2 x Joystick/Mouse Ports
Easy access - located on right side of A600, in front of disk drive

Composite Video Output
Full colour composite video output for connection to most monitors

1 Year On-site Warranty

AMIGA 600 - NEW LOW PRICE!

£299

INC VAT - (1Mb RAM - No Hard Drive)



FREE GIFTS FROM SILICA
SEE PANEL TO LEFT

Silica announce a **NEW LOW PRICE** of £299 for the Amiga 600, a huge saving of £100 off the previous RRP of £399! With its modern compact wedge shape design and the employment of the latest advancements in Amiga technology, it represents the very best investment for home computing. It has all the power of a first class games console with a full range of entertainment software available, as well as being a true home computer, with business and education software and an extensive range of peripherals and accessories.

The Amiga 600 uses state-of-the-art surface mount technology, for maximum reliability and features a 3 1/2" floppy disk drive, mouse, TV modulator and smart card slot all as standard. The innovative smart card slot accepts games, ROM or RAM cards (from 1Mb up to 4Mb) and will take advantage of many future new developments. The very latest version of the operating system, Kickstart/Workbench v2.05 is used in the Amiga 600 and its enhanced chip set facilities include improved graphics resolution, increased genlock support and the facility for up to 2Mb of chip memory. The Amiga 600 is fully compatible with the A670 CD-ROM Drive and Interface which will give it access to a full range of CDTV titles and audio CDs. The Amiga 600 is available from Silica in several configurations (see below) including a specially upgraded 2Mb RAM version.

AMIGA 600 CONFIGURATION OPTIONS

	0Mb Hard Drive		20Mb Hard Drive	
	1Mb RAM	2Mb RAM	1Mb RAM	2Mb RAM
• 1Mb AMIGA 600 + MOUSE	£299.99	£299.99	£299.99	£299.99
• 1Mb RAM UPGRADE	N/A	£60.00	N/A	£60.00
• 20Mb HARD DISK	N/A	N/A	£299.00	£299.00
• DELUXE PAINT III	£79.99	£79.99	-	-
• 'MYSTERY' GAME	VARIABLE	VARIABLE	-	-
• 1 YEAR ON-SITE WARRANTY	✓	✓	✓	✓
PLUS! - FREE FROM SILICA				
• PHOTON PAINT v2.0	£89.95	£89.95	£89.95	£89.95
• ARCADE ACTION GAMES PACK	£229.78	£229.78	£229.78	£229.78
• GFA BASIC INTERPRETER v3.5	£50.00	£50.00	£50.00	£50.00
TOTAL PACK VALUE:	£749.71	£809.71	£968.72	£1028.72
LESS PACK SAVING:	£450.71	£460.71	£519.72	£529.72
SILICA PRICE:	£299	£349	£449	£499

NEW! FROM SILICA
2Mb RAM OPTION WITH CLOCK
(BATTERY BACKED)

PERIPHERALS FOR AMIGA COMPUTERS

AMITEK RAM BOARDS



Upgradable RAM board available with 0K, 512k and 1Mb of RAM. Built-in battery backed clock. Plugs straight into the Amiga A600 trapdoor. No soldering required - 2 year guarantee.

SLIMLINE DISK DRIVE



19mm Super Slimline colour co-ordinated 3 1/2", 1Mb, double sided disk drive. Draws power from the Amiga and includes thru-port for connection of additional drives. 1 year replacement guarantee.

RAM UPGRADES

CODE	DESCRIPTION	RRP	SILICA PRICE
RAM 0600	AMITEK - 0K Populated - A600	£29.95	£27.95
RAM 0605	AMITEK - 512k Populated - A600	£44.95	£39.95
RAM 0610	AMITEK - 1Mb Populated - A600	£60.00	£50.00
RAM 0560	CBM 512k Board - A600	£24.99	£22.99
RAM 0501	CBM - 512k Board - A500	£99.99	£49.99
RAM 0505	512k Board - No Clock - A500	£24.95	£19.95
RAM 0510	512k Board - Inc Clock - A500	£29.99	£24.95

EXTERNAL DISK DRIVES

DRR 0555	SLIMLINE - 3 1/2" 1Mb - Ivory Colour	£79.00	£54.95
DRR 2956	ROCLITE - 3 1/2" 1Mb - Ivory Colour	£69.95	£64.95
CCA 6011	ROCLITE - 3 1/2" 1Mb - Black Colour	£69.95	£64.95

PRINTERS

PRI 3700	CBM MPS 1270 Ink Jet Printer	£149.99	£129.00
PRI 3230	CBM MPS 1230 9 Pin Dot Matrix	£169.99	£139.00

COLOUR MONITORS

MON 6144	GOLDSTAR TV/Monitor inc. cable	£199.95	£179.95
MON 4184	CBM 1084S Monitor inc. cable	£299.99	£249.95

ROM UPGRADE

UPG 1100	ICD Kickback K'bd ROM Swapper	£24.95	£19.95
----------	-------------------------------	--------	--------

AMIGA 500 STANDALONE



HARDWARE

- 512k AMIGA 500 COMPUTER ... £299.99
Inc. 1Mb 3 1/2" Disk Drive, Mouse Controller, Power Supply, Workbench 1.3 & Manuals
- 512k RAM EXPANSION TO 1Mb RAM ... £24.95
- A520 TV MODULATOR ... FREE

PLUS! - FREE FROM SILICA

- PHOTON PAINT V2.0 ... £89.95
- ARCADE ACTION PACK ... £229.78
- GFA BASIC ... £50.00

TOTAL PACK VALUE: £694.67
LESS PACK SAVING: £395.67
SILICA PRICE: £299.00

ORIGINAL AMIGA 500
WITH BUILT-IN
18-KEY NUMERIC KEYPAD

£299
INC VAT - Ref: AMC 0510

CDTV COMPUTER SYSTEM SAVE £200!

UPGRADE YOUR AMIGA 500 FOR ONLY £399

We are pleased to announce a very special trade-in offer to Amiga 500 owners who are keen to take advantage of the extra benefits offered by Commodore's multimedia innovation, the CDTV. Amiga owners who return their working Amiga 500 computer (with Kickstart V1.2 or 1.3), mouse, power supply and manual to Silica, can claim a £200 discount off the price of the new Amiga CDTV Computer System. This new system (normal RRP £599) is fully compatible with all Amiga software. In addition, it provides access to a vast range of CDTV titles. CDTV works much like a standard Amiga 500 or 600 but has many additional features including a compact disc drive that can hold up to 550 megabytes of information per disc as well as play audio discs to a very high quality. CDTV comes supplied with the latest infra-red remote control handset, giving you full control of your system from the comfort of your armchair.

TRADE-IN OFFER

CDTV SYSTEM £599
AMIGA 500 TRADE IN ... -£200
YOU PAY £399
INC VAT - Ref: AMC 1250



- FEATURES INCLUDE:**
- Full Compatibility With Existing A500 Software
 - 1Mb Chip RAM
 - CDTV Player
 - Plays Audio CDs & CD + Graphics Discs
 - Full QWERTY Keyboard
 - Built-in Monitor: Serial & Parallel Ports as on the A500
 - 880K 3 1/2" Disk Drive
 - Mouse Controller
 - Infra-Red Remote Control
 - Workbench 1.3 & Manuals
 - Welcome CD + Caddy

ALL PRICES INCLUDE VAT - DELIVERY IS FREE OF CHARGE IN THE UK MAINLAND

SILICA SYSTEMS OFFER YOU

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** Team of technical experts at your service.
- **PRICE MATCH:** We normally match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 14 YEARS:** Proven track record in professional computer sales.
- **£12 MILLION TURNOVER (with 60 staff):** Solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts available 081-308 0888.
- **SHOWROOMS:** Demonstration and training facilities at our London & Sidcup branches.
- **THE FULL STOCK RANGE:** All of your requirements from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with offers + software and peripheral details.
- **PAYMENT:** Major credit cards, cash, cheque or monthly terms.

Before you decide when to buy your new Amiga computer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after buying your Amiga, when you may require additional peripherals or software, or help and advice with your new purchase. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years and, with our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".

MAIL ORDER HOTLINE
081-309 1111



To: Silica Systems, AMFOR- 1192-80, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: Initials: Surname:

Company Name (if applicable):

Address:

Postcode:

Tel (Home): Tel (Work):

Which computer(s), if any, do you own?..... 80D

FAOE - Advertised prices and specifications may change. Please return the coupon for the latest information.



Hector hangs out near the baths, strictly for practical purposes. It might look a little iffy but all those togas lying about might come in useful.



It's that gag again - one of the consuls of Rome, Seganus Megadrius, whose job is dictated by his rank. Brings a tear to the eye every time!



Herculaneum back when it was all buildings. McDonald's is at the top left and at the bottom right, Agrippina is about to invent Coca Cola.

Rome AD92

AMIGA FORMAT

92

NOVEMBER 1992

It's the history of Rome we're concerned with here. Well, two or three days of its history, sometime in May '92. You are but a poor slave called Hector, but you desire wealth, fame and fortune, and particularly that natty toga 'n' sandals combination. Through a series of six conveniently bite-sized adventures, the idea of the game is to battle your way from the bottom to the very apex of Roman society using any means possible.

Rome AD92 uses the same graphical style and control method as Millennium's earlier adventure, *Robin Hood*. The game world is presented in 3D with the inhabitants wandering about talking, killing, having baths and pretty much doing their own thing. You can wander freely almost anywhere, talk to other people, find objects, have a bit of a rest, or do whatever you like, within the main goal of finishing the quest.

Hector is controlled with the multi-purpose toolbox by the side of the screen. As well as displaying the map, this has options for using objects and talking to other characters. Once you've found out who the character is using the info box, you can chat to them, ask what they're doing or just get straight to the point and steal their money. A 'Do' option covers any other things which may be possible at that point, like apologising profusely for demanding money from a man with a knife.

Romani ite domum

As mentioned, six sub-plots make up the game. Just to add that special touch of 'What am I doing here?', you aren't given specific instructions as to what you're meant to be doing in any of them. So in the first section, set in the quaint fishing village of Herculaneum, you're given the job of delivering a message to the consul in the far west of the town. That's easily enough done with the aid of the map, but then you find yourself wandering about doing nothing in particular. Until Mount Vesuvius erupts and the whole town heads for the boats.

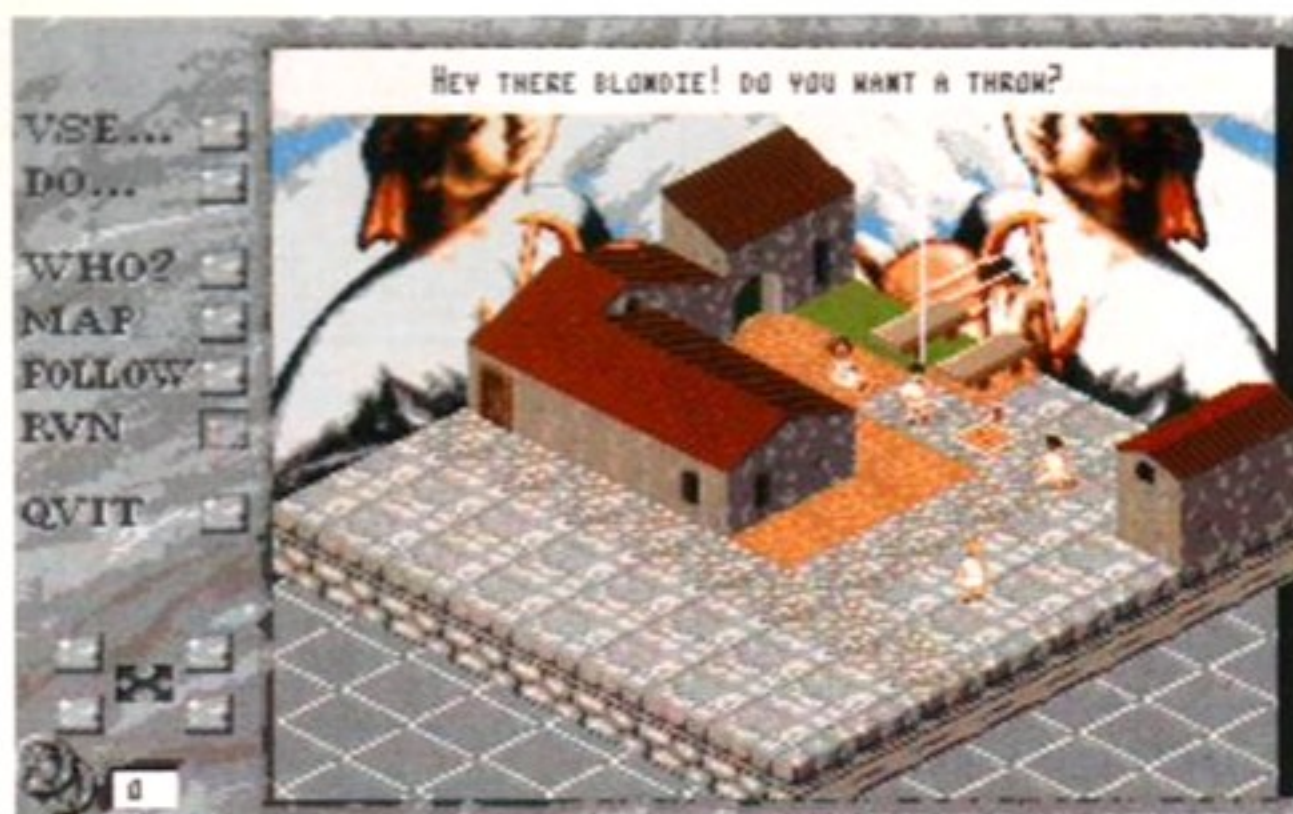
That's when you find out that although you've got enough money to pay the boatman, he won't let you aboard because you're just a slave. Cue floods of lava, a nice piccy of you being cooked and the 'Game Over' message. At least then you know your job is to convince the boatman that you're more than a slave.

The gaul of it

The first scenario is actually quite simple, though even that can be completed incompletely, if you see what I mean. When you leave, you should be carrying enough money to help when you reach Rome; if not, things get harder. The plot thickens even more later on, until eventually it stiffens up altogether and you have to throw it out.

The thing that separates *Rome AD92* from *Robin Hood* the most (apart from 12 months) is that *Rome AD92* is funny. Although the plot is fairly serious there's a thread of sarcasm and irony running through the game, not to mention a sprinkling of slapstick and a long thin cone of self-mockery. The names are straight out of *Up Pompeii*: the two consuls of Rome are called Seganus Megadrius and Nintendus Gameboiis. What a great gag. The lawyer is called Habeus Corpus, and there's a weapon seller called Mafioso. As they wander about, the other characters come up with some precious comments, and at one point you wander

I beg your pardon? Oh I see, the dice. Roman taverns were apparently dismal places where disenchanted groups of young men would hold all-day dice-throwing sessions before having a nice long nap.



into a meeting of the Senate who are discussing putting a flyover on the Appian Way. Alright, it's not rib-tickling but the humour gives the game much more humanity. The section in the manual on the history of Rome is genuinely funny.

Thanks to Uncle Remus

The graphics are detailed, much more so than, say, *Populous 2* (which *Rome AD92* resembles now and again). The music and samples aren't outstanding, although they work fine. Unfortunately, the font in the speech bubbles is hard to read and the characters are tiny. Occasionally, positioning Hector is fiddly; he heads for the destination and suddenly veers off on his own, ending up walking round in circles, which is good for a laugh.

Rome AD92 has a lot to offer. It's not too difficult, but then again (almost spookily) it's not too easy either. The graphics are impressive, the gameplay's laced with a deadly humour, but it's definitely a one-play-only game - when it's done, it's done. A lot like the Roman Empire, itself really.

Ed Ricketts

Rome AD92 Millennium ■ £24.99

- Detailed scenery graphics are let down by the small and badly animated characters.
- The six sections make the game easier to play than if it was in one big lump.
- Scrolling and moving around can sometimes be awkward.
- Great sense of humour. Just like *Up Pompeii*, only it's funny.
- 'Discover it for yourself' gameplay makes it more interesting.



77%



0530 411485

ASHCOM

DESIGN & DEVELOPMENTS LIMITED

VISA

0530 411485

THE ESSENTIAL
PACKAGE
FOR ALL YOUR
BACK-UP NEEDS

PRESENTS
**MAC
II
BACK-UP**

FOR ONLY

£34.95

INC. VAT & P&P

END OF ALL
BACK-UP
PROBLEMS

NOW INCLUDES
MAC II UTILITIES DISK,
BACK UP OPTIMISER,
SPEED AND ALIGNMENT
CHECKER

THE MOST POWERFUL SOFTWARE BACKUP SYSTEM EVER PRODUCED FOR THE A500/A500 PLUS
THERE IS NO SOFTWARE YET PRODUCED THAT CANNOT BE BACKED UP USING THE MAC II SYSTEM

FEATURES:

- The most comprehensive back-up utility ever!
- Menu driven options which make it easy to use
- backs up other formats: IBM, Atari etc.
- Quick and easy to install (second drive required)
- Also available for A1500/A2000

ORDER MACII BACK-UP NOW AND YOU WILL NEVER HAVE TO PURCHASE ANOTHER BACK-UP UTILITY AGAIN

ADDAX - ADDHARD

THE ULTIMATE RAM EXPANSION
AMIGA A500/A500PLUS

COMPLETE HARD DRIVE SYSTEM FOR THE
AMIGA A500/A500PLUS

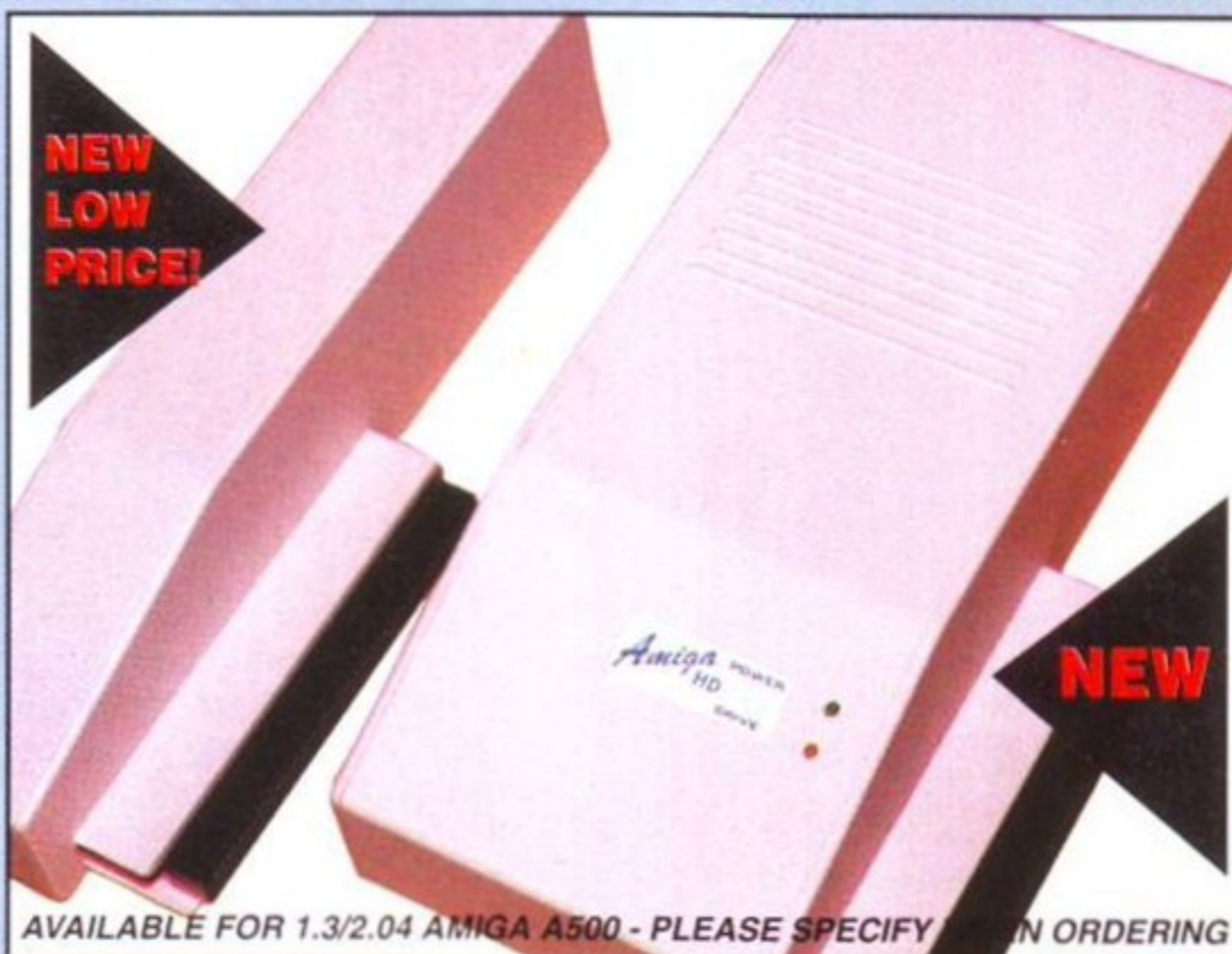
FEATURES

- EXTERNAL FITTING
- JUST PLUGS IN!!!
- AUTO-CONFIGURE FOR 2Mb-4Mb-8Mb
- BUS THROUGH PORT
- ULTRA LOW POWER
- NO EXT PSU REQUIRED
- FULLY BUFFERED ADDR AND DATA BUS
- ZERO WAIT STATES
- GURU FREE!!!
- SLIMLINE CASE
- STYLED TO THE AMIGA
- HIGH DENSITY DRAM
- LATEST TECHNOLOGY
- ALLOWS CREATION OF LARGE & FAST RAM DISKS

WILL NOT INVALIDATE
COMMODORE WARRANTY

**JUST PLUG IN &
AWAY YOU GO!
- SIMPLE! -**

FREE COPY OF SOFT-KICK, SWITCH
BETWEEN 1.3/2.04 WITH EVERY ADDAX



NEW
LOW
PRICE!

NEW

AVAILABLE FOR 1.3/2.04 AMIGA A500 - PLEASE SPECIFY IN ORDERING

OUTSTANDING FEATURES

- VERY HIGH SPEED
- SMALL SLIMLINE UNIT
- VERY LOW NOISE
- NO EXT PSU REQUIRED
- BUS THROUGH PORT
- AUTOBOOT 1.3/2.04
- COLOUR MATCHED
- STYLED TO THE AMIGA
- FACTORY SET
- EASY TO INSTALL!!
- EASY TO USE!!
- WILL NOT INVALIDATE WARRANTY

**HIGH QUALITY
LOW PRICES!**

AX502	2MB	EXP	£115
AX504	4MB	EXP	£169
AX508	8MB	EXP	£279
AX508U	0MB		£79

AX508 RANGE - EASY TO UPGRADE - USES 1MEG*4 ZIP's

ADDHARD45	45MB	£265
ADDHARD105	105MB	£395

ALL HARD DRIVES ARE INC OF VAT & NEXT DAY COURIER

**TAKE YOUR A500 PLUS UP TO 2MB
DESIGNED FOR THE AMIGA A500+ £34.95**

AMIGA A500 1/2 MEG UPGRADE

1.3/2.04 ROM SHARER - ONLY £17.00

WITH CLOCK £19.95 NO CLOCK £17.95

KICKSTART ROM 1.3 £34.94 2.04 CALL

APRIL AMIGA FORMAT: "BEST BUY - HIGH QUALITY LOW PRICE"

**AUTOMATIC MOUSE/
JOYSTICK SWITCHER £12.95 NEW**

BEELINE

HIGH QUALITY STEREO SAMPLER - FOR THE AMIGA
WORKS WITH ALL KNOWN SAMPLING SOFTWARE
INCLUDES FULL DISK OF SAMPLING SOFTWARE!

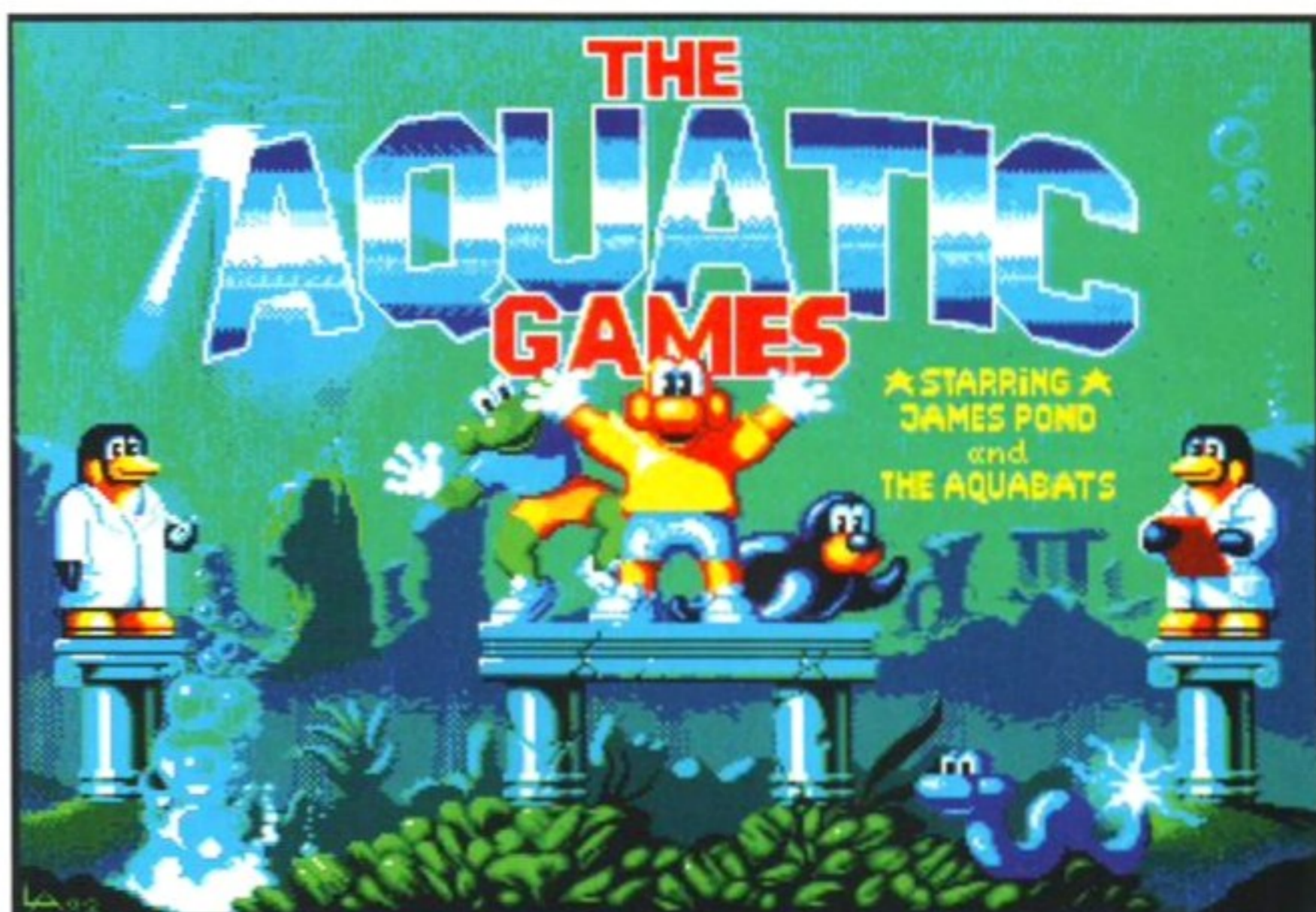
£19

CHIP's & SIMM's - 4MEG*9-80NS SIMM £99 1MEG*9-80NS SIMM £29 256K*4 £4 256K*1 £1 SQUIK MOUSE £14.95 ROCTEC EXT SLIMLINE DRIVE £59.95
1 YEAR WARRANTY ON ALL PRODUCTS. ALL PRICES INCLUDE VAT & P/P. ORDERS NORMALLY DESPATCHED IN 24HRS. REGISTERED COMMODORE DEVELOPER.
FOR FURTHER INFORMATION ON ANY PRODUCT PLEASE TELEPHONE OR SEND A S.A.E. TO THE FOLLOWING ADDRESS. TRADE ENQUIRIES WELCOME.

Only from ASHCOM, DEPT AF11, 10 The Green, Ashby-De-La-Zouch, Leicestershire LE6 5JU
MON-FRI 9.00-5.30 Telephone: (0530) 411485 (24hrs) Fax: (0530) 414433 SAT 9.30-4.00

STOP PRESS A600 1 Meg Ram Expansion Clock £39.95

The secret agent with the golden crispy coating, the stiff upper flip' and no end of other sad puns returns in an eight-event, multi-player, joystick-pummeling sports game.



Meet the Aquabats. Hardly 'the dream team' by any stretch of the imagination, but perfectly suited to the events that lie ahead of them. The question is, are you?

Surely everyone knows who James Pond is? Well, just in case there are a few of you out there yet to be introduced to the F.I.S.H agent, here are the facts: James Pond is (there's no getting away from the fact) a cod; his arch enemy is the infamous Dr Maybe (think about that one) and this is James's third adventure. James is to Millennium what Sonic is to Sega, Mario is to Nintendo or Cliff Richard is to the record-buying public – you just know that you're going to get another dose of the nauseating little superstar at least once a year (normally around Christmas).

But just like Mario, Sonic and Cliff, the product is always of an exceptional high quality, if somewhat lacking in cutting-edge butchness. Although *The Aquatic Games* marks James's third appearance, it would be

The Aquatic Games

AMIGA FORMAT

AND NOW OVER TO OUR MAN ON THE POOLSIDE... CUE DAVID!

...err. Quite remarkable, etc. There are eight events to have a bash at, all have a decidedly 'fishy' feel and here they come:

1. The 100m Splash



This is a standard right-left joystick destroyer that sees James race against F-Fortesque frog across land and water. It will probably be made illegal in the year 2020 once it is realised how many gamesplayer's wrists were knackered in the 1990s.

2. Kipper Watching



This is a lovely game. You play the part of Ceceelia the seal. She must protect her sleeping seal friends from the balls that are carelessly flung around the beach. The longer she can bounce the balls away from her chums, the more she scores.

3. Hop, Skip and Jump



Another joystick pummeling extravaganza complete with the tried and trusted 'hold-fire-until-you-reach-the-optimum-angle-of-45°' sting in its tail. Work that power-meter up to max and then pump on the fire button to make F-fortesque jump.

4. The Bouncy Castle



In multi-event sports games there's always one that is hard to get the hang of, and this is it. James has to bounce from sponge to sponge (easy), to earn points, spin (easy), somersault (hard), double backward somersault (!?) for two minutes.

5. Feeding Time



Freddie Starfish must scuttle up and down the pier feeding his fishy friends with all sorts of tasty goodies in a bid to prevent them being tempted by the bait at the end of the fisherman's lines. Starts slowly, gets fast and furious very quickly.

6. Shell Shooting



If there are only supposed to be seven original novels ever written, it doesn't bode well for the possible number of original, fish-related sports games. In this game James has to flick limpets, catch them then throw them at the balloons above his head.

7. Tour de Grass



Yes, it's Mark the shark on a unicycle (told you things were getting ridiculous) in another joystick pummeling (this time you must move your joystick round and round, up, up-right, right, down-right etc) race to a finish line. Mark the shark – excellent stuff.

8. Leap Frog



F-Fortesque frog again in an event that resembles the high-hurdles more than any leap-frog I've ever played. Keep the speed up and hit jump to clear the obstacles. If your hands aren't about to fall off after that, you must be Robocop or something.



The Aquatic Games may well be a different sort of game to James's previous appearances, but the characters and co-stars are just as animated and as goofy as in the original James Pond or Robocod. Here we see poor F-Fortesque Frog being told he's a failure. Just look at the poor chap!

wrong to think of his latest outing as *James Pond 3: The Aquatic Games* is a departure from his usual style of game – both the original *James Pond* game and the truly excellent *James Pond 2: Codename Robocod* were through-and-through platformers. No, *James Pond 3* has yet to be unveiled.

But let's not get too far ahead of ourselves. Let's see what *The Aquatic Games* is all about. Disk in, power-on and let's start swimming...

Ready for wrist action?

Here's the framework: the Games comprise eight (plus two bonus) separate events. Some require timing and forethought, some require lightning-fast reflexes and some merely require an embarrassingly quick wrist action.

Either one, two, three or four players can play at any one time, although there's no actual head-to-head option (each player takes it in turn to have a bash at each event, the scores and/or times are compared and then it's on to the next).

In a multi-player game, each player gets to control one of four teams, they are The Swamp Bay Splashers (coached by Steve Clam), The Hilly Island Hoppers, Flappy's Flyers and The Deep Sea Dippers. Each team comprises a selection of wacky characters suited to each particular event.

So is this game as good as *Robocod*,



A delighted Pond gets the better of F-Fortesque Frog in the 100m Splash. F-Fortesque is gutted.

James' last game? Well it wouldn't be right to compare them – they're both excellent examples of two completely different genres. The only connection between the two games is Pond himself and the appalling puns that litter the instruction manual and game presentation.

Robocod was a classic, expansive platform-'em-up; *The Aquatic Games* is a completely different kettle of fish (sorry). But each event is well designed, the graphics are truly excellent, the

multi-player element is always a welcome insertion (although it's a shame there's no real head-to-head dual-player mode) and there are records to be broken and high-score tables to be nuchered.

So yes, *The Aquatic Games* comes almost as highly recommended as *Robocod* did in *Amiga Format's* December Issue last year, but for completely different reasons. If you are a sociable type of person who likes to play games with your friends, then you really shouldn't miss out on the chance to try test your sk-gills with James and friends.

Neil West

“Some events require forethought, some need fast reflexes”

The Aquatic Games Millennium ■ £25.99

- Eight (plus two bonus) events to get to grips with.
- One, two, three or four players can take part at once.
- Lovely graphics, great animation and slick presentation.
- Groovy (albeit in a fishy style) sound effects.
- Solid game design.



86%

SPORT FOR PC

Play a round All year round

It's raining cats and dogs outside, but it's a beautiful crisp Spring day on the Torrey Pines Golf Course.

You approach the tee, driver in hand. Gazing down the fairway, you notice every feature of this classic Pacific Ocean Links course.



The Challenge of Golf takes you to a new level of realism. You can almost smell the grass, feel the silky putting surfaces and take in the fresh sea air. At times, you'll want to replace the divots, until you remember it's only a game.



But WOW, what a game!

And now, as well as the 256 colour 3D PC graphics, you can experience Links on Amiga, featuring exclusive HAM MODE graphics and digitised sound.



So, put on your sun visor and practice your swing. You're next on the tee.

Available on: PC (VGA or MCGA, 640k and Hard disk required. Supports: AdLib™, Soundblaster™, MSound™ sound cards). AMIGA-Hard Drive and 1 Meg of RAM required.

©Access Software, Inc. 1991 All rights reserved.



U.S. Gold Ltd., Units 2/3, Holford Way, Holford, Birmingham B6 7AX. Tel 021 625 3366

A serious PC experience

SCREENSHOTS ARE ONLY INTENDED TO BE ILLUSTRATIVE OF THE GAMEPLAY AND NOT THE SCREEN GRAPHICS WHICH MAY VARY CONSIDERABLY BETWEEN DIFFERENT FORMATS IN QUALITY AND APPEARANCE AND ARE SUBJECT TO THE COMPUTER'S SPECIFICATIONS

BECAUSE *HOW* YOU PLAY
IS AS IMPORTANT AS
WHAT YOU PLAY,
FUTURE PUBLISHING
ANNOUNCES A
MAGAZINE THAT BRINGS
YOU THE BEST OF BOTH.



The Super Nintendo: The world's best games machine, worked on by the world's best programmers. This year it's been the hot item to talk about, next year it'll be the one machine you simply have to own.

Super Play magazine: Brought to you by Europe's leading publisher of games magazines, Super Play will be the best because Future magazines have always been the best.

INDEPENDENT SUPER NINTENDO MAGAZINE

**SUPER
PLAY**

Super Play. Catch the excitement for yourself. First issue October 1st.

AT ECU, WE TAKE YOUR GAME PLAYING SERIOUSLY

- MASSIVE PRICE CUTS ON 600+ GAMES
- NO MEMBERSHIP OR HIDDEN COSTS
- SUPERB COMPLIMENTARY MAGAZINE

PHONE HOTLINE: 0480 498889

FAX HOTLINE: 0480 496379

europaean
computer user



THIS IS THE FRONT COVER TO THE LATEST EUROPEAN COMPUTER USER MAGAZINE. FULL DETAILS OF ST, AMIGA AND PC RELEASES, COMMENTARY BY EXPERTS AND NO FAKE SCORES. FOR YOUR COMPLIMENTARY COPY, CALL US TODAY (NO PURCHASE NECESSARY)

Below is a paltry selection of games from the vast ECU catalogue. Phone now for the game you want, and get a free copy of the magazine while you're at it.

TITLE	PUBLISHER	PRICE
AQUATIC GAMES	MILLENNIUM	16.99
ASHES OF EMPIRE	MIRAGE	22.99
BATTLECHESS	STAR PERFORMERS	9.99
BEAST 3	PSYGNOSIS	19.99
CIVILIZATION	MICROPROSE	23.99
CRAZY CARS 3	TITUS	16.99
CURSE OF ENCHANTIA	CORE	22.99
EPIC	OCEAN	19.99
EYE OF THE BEHOLDER 2	US GOLD	21.50
F16 COMBAT PILOT	ACTION 16	8.99
FALCON	ACTION 16	11.99
FORMULA ONE GP	MICROPROSE	22.99
GOBLIINS	DREAM FACTORY	16.99
GOLDEN AXE	TRONIX	8.99
GRAHAM TAYLORS FOOTBALL	KRISALIS	16.99
HARRIER	DOMARK	22.99
INDY JONES FATE OF ATLANTIS	US GOLD	25.50
ISHAR	SILMARILS	17.99
JAGUAR XJ220	CORE	16.99
JAMES POND	GBH	8.99
JOHN MADDENS FOOTBALL	ELECTRONIC ARTS	16.99
KGB	VIRGIN	19.99
LEISURE SUIT LARRY 5	SIERRA	24.99
LINKS DATA DISKS	US GOLD	12.99
LINKS	US GOLD	24.50
LIVERPOOL	GRANDSLAM	16.99
LOTUS 3 FINAL CHALLENGE	GREMLIN	16.99
LURE OF THE TEMPTRESS	VIRGIN	19.99
MAN UTD	GBH	8.99
MONKEY ISLAND 2	US GOLD	25.50
MYTH	SYSTEM 3	16.99
NORTH AND SOUTH	HIT SQUAD	6.99
PAC ISLANDS TEAM YANKEE 2	EMPIRE	19.99
PGA+	ELECTRONIC ARTS	19.99
PINBALL DREAMS	21ST CENTURY	16.99
PLAN 9 FROM OUTER SPACE	GREMLIN	22.99
POPULOUS	STAR PERFORMERS	9.99
PREMIERE	CORE	20.99
PROJECT X	TEAM 17	16.99
SENSIBLE SOCCER	MINDSCAPE	16.99
SHUTTLE	VIRGIN	19.99
STRIKER	RAGE	16.99
THE GAMES 92	OCEAN	19.99
THE PERFECT GENERAL	UBI SOFT	21.99
TITUS THE FOX	TITUS	16.99
TRODDLERS	STORM	16.99
VROOM	UBI SOFT	16.99
WC LEADERBOARD	KIXX	8.99
WIZ KID	OCEAN	16.99
VIKINGS	KRISALIS	16.99
ZOOL	GREMLIN	16.99
COMPILATIONS		
AIR SEA SUPREMACY	SILENT SERVICE, GUNSHIP, WINGS, C/COMMAND + P47 TBLT	19.99
AWARD WINNERS	POPULOUS, KICK OFF 2, PIPEMANIA AND SPACE ACE	16.99
DIZZYS EXCELLENT ADVS	SPELLBOUND DIZZY + 4 OTHER DIZZY GAMES	16.99
SOCCER STARS	KICK OFF 2, GAZZA 2, E HUGHES + MPROSE SOCCER	16.99
THE ADVENTURERS	CORPORATION, SUPREMACY AND HUNTER	16.99
RAINBOW COLLECTION	NEW ZEALAND STORY, RAINBOW ISLANDS + BUBBLE BOBBLE	13.99
DOUBLE CONFRONTATION	FIRST SAMURAI AND MEGA-LO-MANIA	19.99
FOUR WHEEL DRIVE	LOTUS TURBO, TEAM SUZUKI, CELICA + COMBO RACER	19.99
QUEST FOR ADVENTURE	INDY JONES ADV, OPPO STEALTH & MEAN STREETS	22.99
HEAD TO HEAD	MIG29 SUPER FULCRUM, F19 STEALTH	22.99

EUROPEAN COMPUTER USER Units A2/A3 Edison Road, St Ives, Huntingdon, Cambridge, PE17 4LF.
Telephone 0480 498889, Fax 0480 496379. Office hours Monday to Friday 9.00am to 6.00pm. Answer machine operates outside office hours. Personal callers welcome. Credit card orders charged only on despatch of games (no surcharge). Allow 5 working days from receipt of order for cheque clearance. Please make cheques, postal orders and international money orders (sterling only) payable to EUROPEAN COMPUTER USER.

All items featured are SUBJECT TO AVAILABILITY. All prices are subject to change without notice. E&O E. All orders are dealt with immediately provided the goods are in stock at the time of your order being processed. However, we may take up to a maximum of 28 days to deliver from receipt of order, with the exception of overseas orders which make take longer.

POST AND PACKAGING: UK, 75p per item 2nd Class, £1.50 per item 1st Class, £1.80 per item 1st class recorded. EEC £2.75 per item, non EEC £3.75 per item, Express Air mail £4.75 per item. If you do not wish your details to be added to our database for other direct mail, including regular issues of ECU magazine, please tick the box on the form provided, or tell us when you call.

SOME TITLES MAY NOT BE RELEASED AT THE TIME OF GOING TO PRESS
PLEASE TELEPHONE FOR AVAILABILITY AND A COPY OF OUR FULL TERMS AND CONDITIONS.

VISA

MasterCard

NAME _____
 ADDRESS _____
 POSTCODE _____
 ITEM _____ PRICE _____
 ITEM _____ PRICE _____
 ITEM _____ PRICE _____
 POSTAGE _____
 TOTAL _____

Visa/Mastercard/Switch Number: _____

Switch issue No: _____ Card Expiry Date: _____

SIGNATURE: _____
 TICK THIS BOX IF YOU DO NOT WISH TO BE ENTERED ONTO THE ECU DATABASE

Make cheques payable to: European Computer User & send to: Units A2/A3 Edison Rd, ST Ives, Huntingdon, CAMBS PE17 4LF

NOV 92



Directions New

To open the door to a World of Fantasy there IS only one affordable Direction...

Commodore Amiga Computer Range

Merlin Express can supply just about every Amiga within the range along with a variety of additional specifications [eg. extra hard drive, more memory etc.]. Commodore's new A600 range of Amigas now replaces the old A500 and 500 Plus models with the following advantages...



- ◆ Smart Card Slot [for future expansions & programs on Smart Card which load quicker than disk based equivalents]
- ◆ Built in Television Modulator
- ◆ Small "Desktop Footprint" to save space
- ◆ Built to the latest "Surface Mounted Technology" standards
- ◆ Easy access joystick ports
- ◆ Built in Hard Disk Drive Controller for later addition of internal Hard Disk Drives and... For total peace of mind...
- ◆ FREE 12 MONTHS ON SITE IN-HOME MAINTENANCE WARRANTY SERVICE IS SIMPLY A PHONE CALL AWAY

Amiga A600 Floppy Wild, Wierd and Wicked Pack

Complete Games Pack with Keyboard, one 3.5" Floppy Drive, Mouse, Leads, Manuals, Workbench Disks and THREE 'WILD, WIERD AND WICKED' games...
 ◆ MICROPROSE GRAND PRIX...
 ◆ SILLY PUTTY and... ◆ PUSHOVER PLUS... ◆ DELUXE PAINT III
 at a not so wild, not so wierd, but really...

EWicked Price!
 contact us to find out NOW!!!

Amiga A600 Floppy Welcome Pack

Introduction to the World of Amiga... Keyboard, with 3.5" Floppy Disk Drive, Mouse, Leads, Manuals, Workbench Disks & Whilst Stocks Last...

- ◆ DELUXE PAINT II plus:
 - ◆ A Great MYSTERY GAME too!!!
- All this for over £100 LESS than the cost of an old Amiga A500! at only...

EToo Hot to Print!

Call us now for a GREAT DEAL on a GREAT NEW AMIGA that's just the thing to start you off!

Amiga A600 20Mb. Hard Disk Epic Pack

The A600HD has its own 20Mb. Hard Drive installed and ready to use. You can store your programs for easy instant access. The A600HD comes as Keyboard, with 3.5" Floppy Disk Drive and a 20Mb. Hard Drive, Mouse, Leads, Manuals, Workbench Disks and a really fantastic software bundle...

- ◆ EPIC from Ocean
- ◆ MYTH from System 3
- ◆ ROME from Millennium
- ◆ TRIPLE LANGUAGE TRIVIAL PURSUIT from Damarck
- ◆ DELUXE PAINT III
- ◆ AMIGA TEXT [Word Processor]
- ◆ FIVE LANGUAGE DICTIONARY

SUPER HIGH SPEC. AMIGA **£449.99**

ASK US ABOUT STAND ALONE AMIGA A600HD's WITHOUT A SOFTWARE BUNDLE [SUBJECT TO AVAILABILITY]

If you need an even more serious Amiga, take a look at the A1500 range or ask us about A3000's supplied to your own specifications at amazingly competitive prices.



Why not add a Sorcerors Pack or Memory Upgrade

Dot Matrix Printers

500 ^{1,2,3} Compatible	500+ Compatible	A600 Compatible	1500/2000/3000 Compatible	CDTV Compatible
---------------------------------	-----------------	-----------------	---------------------------	-----------------

star		9PIN
LC20 Mono		£134.99
LC100 Colour	NEW!	£164.99
LC200 Colour		£194.99
ZA200* Colour		£Phone
ZA250* Colour		£Phone

star		24PIN
LC24-20 Mono		£199.99
LC24-100 Mono	NEW!	£189.99
LC24-200 Mono		£219.99
LC24-200 Colour		£264.99
XB24-200* Colour		£349.99

CITIZEN		9PIN
120D+ Mono		£129.99
Swift 9 Mono		£179.99
Swift 9 Colour		£184.99
ProDot 9* Mono		£Phone
ProDot 9* Colour		£Phone

CITIZEN		24PIN
Swift 200 Mono	NEW! RANGE	£219.99
Swift 200 Colour		£PHONE
Swift 240 Mono		£249.99
Swift 240 Colour		£269.99
and whilst stocks last...		
Swift 224 Colour	RANGE	£SPECIAL
Swift 24E Colour		£SPECIAL
Prodot 24* Mono		£Phone
Prodot 24* Colour		£Phone

Printer Starter Pack

200 Sheets Continuous Paper Only...
 5 Continuous Envelopes **£9.99**
 100 Cont. Address Labels with a printer [or £17.99 separately]
 1 Amiga Driver Disk [quote Star/Citizen when ordering]

Printer Freebies

With Dot Matrix Printers* from Merlin you get... a Quality Dust Cover, Cable to your Amiga and a Two Part Printer Stand ALL FREE OF CHARGE!
 [Dust covers are not available for any printer marked thus (*)]
WORTH OVER £25 separately!

Upgrade your A600 to 2Mb.

Upgrade to 2Mb. for only... **£39.99**
 Philips CM8833/II only... **£194.99**
 Take £10 off the price of TV/Monitors.
AND THERE ARE OTHER 'SPECIALS'!!!

Specialist Printers

500 ^{1,2,3} Compatible	500+ Compatible	A600 Compatible	1500/2000/3000 Compatible	CDTV Compatible
---------------------------------	-----------------	-----------------	---------------------------	-----------------

Lasers and Inkjets

Star SJ48* Inkjet	£214.99
Star Laser4*	£749.99
Star Laser4* Starscript	£999.99
Citizen PN48* Inkjet	£224.99

GENUINE PRINTER RIBBONS

star	Single	5 Pack
LC10/20 Mono	£4.79	£19.99
LC10 Colour	£5.99	£27.99
LC100 Mono	£6.49	£29.99
LC100 Colour	£12.49	£59.99
LC200 Mono	£6.49	£29.99
LC200 Colour	£12.49	£59.99
LC24/100 Mono	£6.99	£32.99
LC24/100 Colour	£12.99	£59.99
LC24/200 Mono	£6.99	£32.99
LC24/200 Colour	£12.99	£59.99
XB Range Mono	£6.99	£32.99
XB Range Colour	£12.99	£59.99

CITIZEN	Single	5 Pack
120D+ Mono	£4.99	£22.99
Swift 9 Mono	£4.99	£22.99
Swift 9 Colour	£16.49	£76.99
124D Mono	£4.99	£22.99
200/240 Mono	£4.99	£22.99
200/240 Colour	£16.49	£76.99
224/24E Mono	£4.99	£22.99
224/24E Colour	£16.49	£76.99

PRINTER ACCESSORIES

star	Sheet feeder [all except XB]	£69.99
	XB Sheet Feeders	£99.99-£149.99
	Buffer Upgrades: 24/200 or XB	£32.99
	Font Cards: 24/200 or XB	£27.99
CITIZEN	Cut Sheet Feeder 120D+	£74.99
	Semi Auto Feeder 124D/Swift 9-24	£44.99
	Auto Sheet Feeder 124D/Swift 9-24	£94.99
	Font Cards: Swift Range	£39.99
	32K RAM Exp: 124D/Swift Range	£13.99

Miscellaneous

We can also supply Canon, Hewlett Packard and Panasonic Printers to order along with a range of Wide Carriage printers and a host of printer accessories at...
REALLY COMPETITIVE PRICES - Phone Us!



MerlinExpress
 Tel: 0602 441442

Delivery: Hardware and larger items are despatched by courier at a cost of either £7.50 for a next working day service or £6.00 for two working days. Saturday delivery is available at just £12.00. Smaller items are normally posted and all goods are generally despatched on day of payment clearance.

Export: Merlin are happy to supply BFPO & Warranties: Hardware warranties allow for 30 days refund or replacement [subject to manufacturers conditions etc]. After 30 days & within 12 months of purchase faults are rectified by relevant makers repair schemes. Software & small items carry various warranties, please ask for details. Goods which carry an 'on-site' guarantee are attended to by the makers own nominated service agents.

Payment Facilities: Payment may be made by Switch, Access, Visa, Cheque [please allow 7 working days for clearance], Bank or a Building Society Draft [which require no clearance], Postal Orders or cash.

General Details: All information is correct at time of going to press, E&OE. Every effort is made to ensure the information in this advert is correct, but you should always confirm any offers, prices, availability etc., PRIOR to placing your order. We reserve the right to alter product prices or specification without prior notice [please note prices may fluctuate up OR down]. Goods are not supplied on a trial basis.

Merlin Express Limited



Merlin Express. Where desire becomes reality.

GVP Product Range

500^{1/2} Compatible 500+ Compatible 1500/2000/3000 Compatible

HD8+/II Hard Drives

Simply attaches into the side port of your Amiga A500/A500 Plus

0Mb. HD+/II Unpop.	£189.99
52Mb. HD+/II Unpop.	£329.99
120Mb. HD+/II Unpop.	£409.99
240Mb. HD+/II Unpop.	£659.99

A530 Combo Boards

Simply attaches into the side port of your Amiga A500/A500 Plus. All units are 40MHz and come with 1Mb. of 32Bit RAM installed.

52Mb. - 1Mb. RAM	£629.99
120Mb. - 1Mb. RAM	£719.99
240Mb. - 1Mb. RAM	£929.99
68882 Maths CoProcessor [for use with Combo's]	£209.99

A1500 Hard Cards

Fits internally in your A1500 onto available slots.

0Mb. Unpopulated	£129.99
52Mb. Unpopulated	£274.99
120Mb. Unpopulated	£399.99
240Mb. Unpopulated	£619.99
420Mb. Unpopulated	£979.99

GVP Memory Upgrades

Upgrades for HD8+/II and A1500 Hard Cards [SIMMS 1Mb. or 2Mb.]

2 x 1Mb. Chips	£49.99
4 x 1Mb. Chips	£99.98
2 x 4Mb. Chips	£199.99

Upgrades for Combo Boards [32Bit SIMMS 1Mb. or 4Mb.]

1Mb. Chip	£69.99
4Mb. Chip	£164.99

Other GVP Products

PC Emulator to fit HD+/II or A530 Combo Boards	£199.99
Digital Sound Studio [6000]	£59.99
G-Force 1500/2000 Accelerators...	
030-25MHz + 1Mb.	£569.99
030-40MHz + 4Mb.	£799.99
030-50MHz + 4Mb.	£1099.99
Hard Drive fitting Kit for G-Force that allows mounting of SCSI Drives	£39.95
GVP - OPTICAL & SYQUEST REMOVABLE DRIVES AND GVP IMPACT VISION 24 AVAILABLE TO ORDER.	£Phone Us
HARD DISK UTILITIES...	
Quarterback Vers. 5	£44.99
Quarterback Tools	£34.99
TAKE £5 OFF IF PURCHASED WITH A GVP	

Amiga Peripherals

500^{1/2} Compatible 500+ Compatible A600 Compatible 1500/2000/3000 Compatible CDTV Compatible

Improve your Amigas output and work with a clear display... no more eyestrain! Use either a specific monitor eg. CM 8833 or a Philips TV Monitor [far higher resolution than domestic TV's giving almost monitor quality but, with the added advantage of television pictures too].

Philips CM8833/II

14" Colour Stereo Monitor **£199.99**
with Green Screen Switch **£194.99 with Amiga**
COMPLETE WITH A FREE AMIGA LEAD AND QUALITY VINYL DUST COVER PLUS 12 MONTHS ON SITE MAINTENANCE AND LOTUS TURBO CHALLENGE II

Philips TV Monitors

3332-15" Remote & sleep timer	£219.99
2331-15" Cube TV, Remote & sleep timer with Teletext	£249.99
2341-17" version of the 2331	£299.99

TAKE £10 OFF WHEN PURCHASED WITH AN AMIGA OR MAJOR HARDWARE!!!

3.5" Second Drives

Commodore 1011 Drive	£54.99
Cumana CAX 354	£54.99
Roclite Ultra Slim...Beige	£64.99
Roclite Ultra Slim...Black for CDTV	£64.99

Amiga Upgrades

AMIGA A500 RAM Upgrades:

0.5Mb. No Clock	£19.99
0.5Mb. with Clock	£24.99

AMIGA A500 Plus RAM Upgrades:

1Mb. with Clock	£37.99
-----------------	--------

AMIGA A600 RAM Upgrades:

Include: 1Mb. Chip RAM & Clock, then:

0.5Mb. Upgrade to 1.5Mb.	£37.99
1Mb. Upgrade to 2Mb.	£44.99

[TAKE £5 OFF IF BOUGHT WITH AN A600]

Official Commodore Kickstart 2 **£79.99**
[upgrades your Amiga to 2.04 & includes... Manuals, Disks, ROMs etc.]

ROM Sharers **£22.99**
Version 1.3 ROM Chip Set **£29.99**
Version 2.04 ROM Chip Set **£49.99**

Amiga Scanners

Naksha Hand Held 200/400dpi	£109.99
32 Grey Shades with software	
DAATAscan Professional 100/200/300/400 dpi 64 Greys with software	£136.99

Amiga Bits 'n' Bobs

500^{1/2} Compatible 500+ Compatible A600 Compatible 1500/2000/3000 Compatible CDTV Compatible

MISCELLANEOUS

Mouse Mats, high quality 8mm	£3.99
Dust Covers, THICK vinyl good quality well finished covers for most major hardware items [Don't confuse these with inferior types].	£5.99
Disk Storage Boxes, 80 capacity	£6.99
Disk Library Cases, 10 capacity	£0.99
JOYSTICKS AND MICE	
Full range of joysticks from LOGIC3 & QUICKJOY plus others-phone us!	From £4.99
Zipstick Autofire	£11.99
Konix Speedking inc 4 A500 Games and more...	£19.99

Joystick Extension Leads	£5.99
RoboShift Joystick/Mouse switcher	£14.99
Naksha Mouse with holder, mat, and Operation Stealth software	£29.99

Saqik Microswitched Mouse	£16.99
MONITOR ACCESSORIES	
CM8833 MKI Tilt/Swivel Stand	£14.99
CM8833 MKII Tilt/Swivel Stand	£14.99
Anti Glare Screens, 14"	£19.99

Range of Workstations see feature: **from £19.99**

MODEMS & COMMUNICATIONS

Range of PACE units available to order **£Phone**

PRINTER ACCESSORIES

2 Part Printer Stand	£7.99
1000 Sheets Continuous Paper	£9.99
2000 Sheets Continuous Paper	£18.99

BLANK DS/DD DISKETTES

10 off unbranded certified disks with a library case and labels	£6.99
Phone us for larger quantity prices	
TDK Branded - With gift points to collect..	
Box of 10 DS/DD	£8.99
Five Boxes of 10 [50 disks]	£34.99
10 Boxes of 10 [100 Disks]	£64.99

Amiga Software

PHONE FOR RANGE OF EDUCATIONAL S/W

Wordworth Word Processor	£99.99
Pen Pal [UK] Word Proc. [or just £34.99 with a Printer or Amiga!]	£49.99
New Final Copy! UK VERSION WP not a cheap US import! [or just £59.99 with an Amiga or Printer!]	£99.99
Pagesetter II DTP	£42.99
Opus Directory	£29.99
Various Fonts/Clip Art/Templates etc.	£Phone
Protect Version 4.3	£44.99
Gold Disk Office-DB, DTP, S/Sh	£NEW!
NEW!!! Mini Office-WP, S/Sheet, DBase, Disk Manager, Graphics	£42.99
Superbase Personal 2	£29.99
Scala Professional Fully Featured	£199.99
Deluxe Paint 4 - Paint Package	£64.99
Digiview Mediastation inc. Digi	£129.99
View Gold 4, DigiPaint 3, Elan Performer 2	
LOTS MORE TITLES AVAILABLE PLEASE PHONE	

Amiga A1500 Home Office

Suitable for the more serious user the A1500 is equally at home for Amiga games too! The 'Home Office' pack includes...

- ◆ CPU with - 1Mb. RAM and TWO 3.5" Floppy Disk Drives ◆ QWERTY Keyboard ◆ Mouse ◆ Leads ◆ Manuals ◆ Workbench 2 Disks plus...Great entertainment & business software: ◆ THE WORKS - Platinum Edition [Word Processor, Database, Spreadsheet] ◆ DELUXE PAINT III ◆ HOME ACCOUNTS ◆ ELF ◆ TOKI ◆ PUZZNIC & a great book... GET THE MOST OUT OF YOUR AMIGA

Only... **£549.99**

Multimedia Amiga CDTV

Multimedia: HERE TODAY - in one machine that can access a wealth of Amiga software as well as CDTV titles and CD Music. Contains: Amiga CDTV Unit, Keyboard, Mouse, Commodore 3.5" Disk Drive, Remote Controller, Workbench Disks and a Welcome CD.

Only... **£549.99**

Ask about pack with CDTV Unit, Welcome Disk, Remote, Hutchinsons Encyclopaedia and Lemmings whilst stocks last at only... **£459.99**

Phone for CDTV software/accessories

Amiga A570 ROM Drive

Allows you to load and play CDTV software on your Amiga A500 Plus computer along with music CD's and CD+G discs too.

Only... **£329.99**

Merlin Sorcerers Packs

Add a Sorcerers pack to your Amiga for EXTRA VALUE, choose from...

Sorcerers Pack 1: £19.99
Mouse Mat, Dust Cover, 10 Blank Disks, Disk Library Case, Quality Joystick

Sorcerers Pack 2: £29.99
Amiga Games Pack. All good professional software NOT cheap PD software... Datastorm/Dungeon Quest/E-Motion/KidGloves/Grand Monster Slam/Powerplay/RVF Honda/Shuffle Puck Cafe/Microprose Soccer/Tower of Babel/Casino Roulette/Skidoo, Saint & Greavsie/20000 Leagues/Table Tennis/ GFA Basic Prog.

Prices are when purchased with an Amiga

Merlin Directions
Order~Line

0602 441442

WHY MERLIN?
Remember when you purchase from Merlin you'll receive a complete unit with everything you'll need to get you going straight away [ie with a printer* you automatically get a dust cover, lead and stand free].
When comparing prices please remember to consider what you get INCLUDED in the price from our competitors...at Merlin you get the lot!



Merlin Express Limited
Unit C7, The Ropewalk Industrial Centre,
Station Road, Ilkeston, Derbyshire. DE7 5HX.
Telephone: 0602 441442 FAX: 0602 440141

Merlin Express Directions

After the marriage of the Amiga and snooker worked so well with Jimmy White's, can the same be done with the supposedly 'more accessible' pool?

Archer MacLean's Pool



Ordinary Eight Ball rules, which are probably the same as the ones you play down the pub. Here Nutts is lining up a shot, and selecting the strength of the shot by adjusting the length of the cue.

AMIGA FORMAT

There haven't been many good pool and snooker games written for the Amiga, and it's not difficult to see why. Translating what is essentially a game that should be played while you're down the pub, under the influence of alcohol, on to the relatively clinical environment of the Amiga is well nigh impossible.

Last year, though, a breakthrough in computer potting came with the arrival of *Jimmy White's Whirlwind Snooker* from Virgin Games. Written by Archer MacLean, who was previously responsible for such excellent games as *Dropzone* and *International Karate*, the game was widely acclaimed by Amiga gamers everywhere. To such an extent, in fact, that it is still in the top 20 full-games as I write this!

Now, Virgin and Archer have teamed up again (to the delight of Amiga-owning pool players) to produce *Archer MacLean's Pool*.

If you don't know already, *Whirlwind Snooker* was a first-person 3D game which made use of polygons to draw the table and the balls. The table could be rolled around using the mouse, and so viewed from any angle, and you could also zoom in and out at will. The table could even be tilted so that you could take a look at the ball positions from above. Basically, it was

Gone are the 15 reds and seven colours, and in are the pool-hall setups of seven reds, seven yellows and a black (8 ball).

We're going to pot

As with *Snooker*, the game is controlled using the mouse in conjunction with a number of icons in a menu bar at the edge of the screen (see panel below). The menu may be moved to above or to the left of the main play area, depending on your preference.

When you're lining up a shot, adding top-spin or screw to the cueball is easy by clicking on the appropriate arrow next to the cueball icon. If you're not sure about the line of a shot, then help is at hand from a projected line option, which is useful for doubles or plants. After these options are set, the strength of shot must be chosen by lengthening or shortening the cue icon. To shoot, just click on the cue ball icon, and let your Amiga do the rest.

“ Again Archer has really gone to town on the features: Pool is very addictive and easy to play ”

a superb game which played well and had loads of options.

For *Pool*, Archer has taken the same code as he used in *Snooker*, taken the snookery bits out and put the pool bits in, and some more.

THE RULES OF POOL

Archer MacLean's Pool offers you not one but three different types of pool rules. Here's what they are all about.

NINE BALL USA TOURNAMENT



Nine Ball: mainly featured to make the US players feel at home. But where's the blue baize?

Played with nine numbered balls. All the balls must be potted in numerical order, unless they are hit in a 'plant' (ie the cue ball hits the lower ball first, which goes on to hit and pot another ball).

The idea is to pot the nine ball first, so if you can manage to pot this using a plant, then you have won the game. If a foul is committed you don't get two shots, but the cue ball is allowed to be moved anywhere on the table.

EIGHT BALL UK COIN-OP



This is the one you normally play in your local pub with the pocketfuls of 20 pees.

Played with seven-red balls, seven yellow balls and a black (eight) ball, the aim of this version of the game is for each player to pot all of one set of colours followed by the Eight Ball.

If you commit a foul, your opponent will get two shots, and you may position the cue ball anywhere in the 'D'. If the black ball is potted before all the balls of the player's colour have been sunk, then it's 'Game Over' and time to leave the hall.

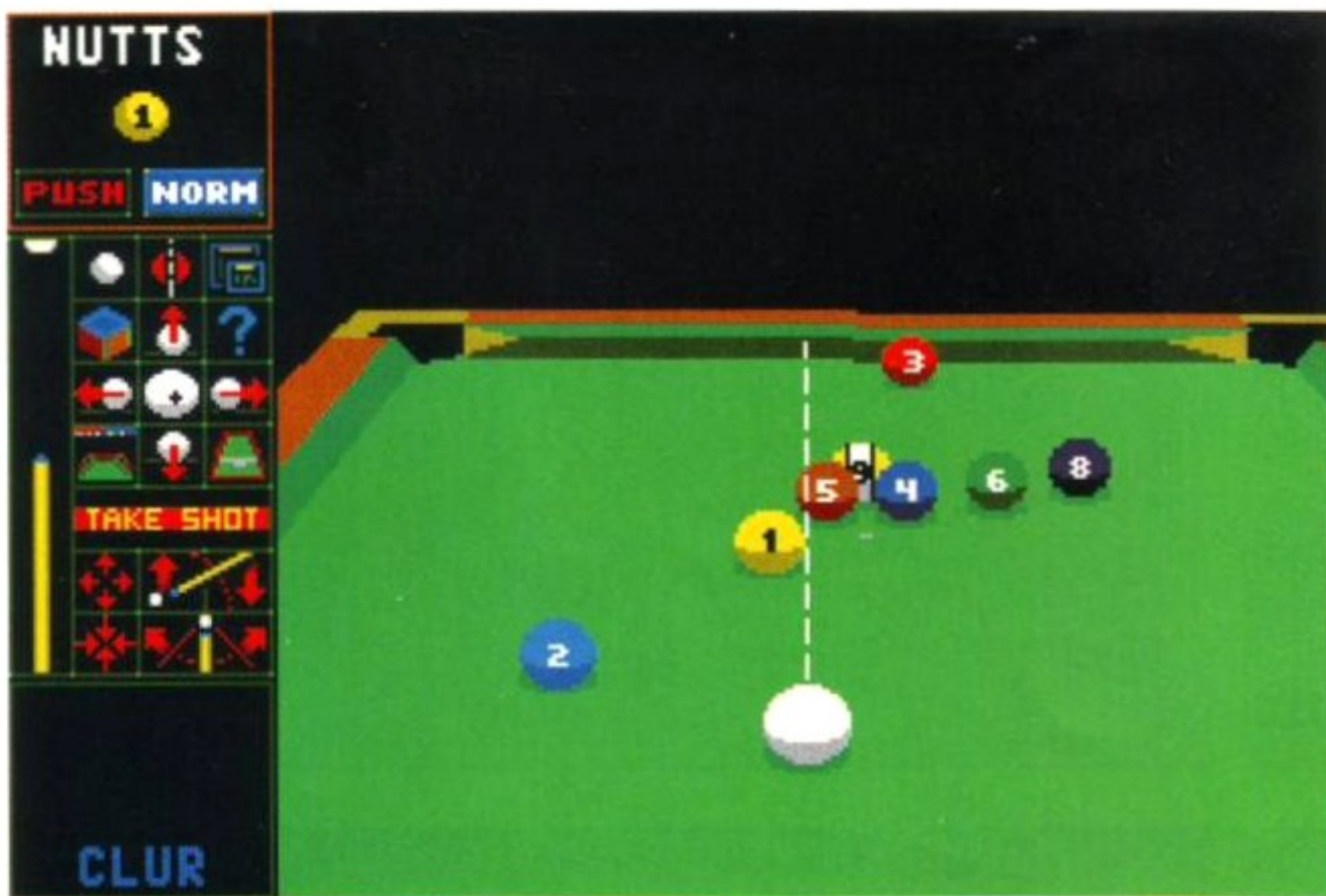
EIGHT BALL USA BAR TABLE



Another set of American rules, but this time it's only Eight Ball. Plenty of research has gone into this game.

This has basically the same rules as the British coin-op version except that at the end of the game you must name the pocket that the eight ball is to be potted into.

Like Nine Ball, you don't get two shots when a foul is committed, but the cue ball may be placed anywhere in the top quarter of the table, ready for you to line up a shot - which is going to be a definite advantage.



This is Nine Ball mode, which is my favourite of the three types. Here you must attempt to pot the Nine Ball, but you can't hit it directly without potting the others first. Life's not all roses, y'know.

Depending on the position of the cue ball on the table, some shots are more difficult to play than others. For instance, if the cue ball is placed up against a cushion and then it must be played away, then the cue may only be aimed at the top of the ball – just like real pool. It's touches like this which add a huge amount of realism to the game.

Pot plant

Again, Archer has gone to town on the features. As well as measuring the dimensions of real life pool tables, and including them in the game, he has also researched the actual current American pool-hall rules. Not only are the UK Eight-Ball rules included, but also the USA Eight-Ball and tournament Nine Ball rules (see panel on previous page). Each type plays differently, and follows the rules perfectly.

Hardened pool addicts may not like the fact that the numbers on the balls don't rotate while the balls are rolling, which is especially noticeable when playing nine ball. I personally don't find this a problem, and I would imagine that including the feature would slow the game down considerably.

Another feature that *Pool* has over *Snooker* is in the number of opponents available. Whereas *Snooker* had four, *Pool* has 30, and each one has a different playing ability. Their skills at pool are instantly recognisable by their names (such as 'Jimmy Brill', who is an excellent player, and 'Daft Debbie' who is not), so choosing an opponent to match your skills as you progress through the game shouldn't be difficult. It's still much better to play against human opponents, of course, but then that's the same with all multi-player games (see Page 66).

A tournament facility is provided which enables up to eight players to play together, with one or more may be set up as computer opponents from the 30 available. Because this obviously takes a long time to complete, it is possible to save and load the relevant data so that you can continue at a later date. The save option can also be used for ordinary games and trick shots.

There's even an option included which

enables you to tweak the rules so that you can play the way you usually play. This is an important feature, because depending on where you are in the country, you will play slightly different rules, such as only one shot when a foul is committed on the black ball, or naming a pocket and sticking to it. It's little features like this which make the game so playable.

Pot luck

After a while, aiming a shot becomes very easy, and you find yourself becoming really engrossed in the game. If you're playing against the computer, you must try and plan your shots especially carefully, because most of the 30 opponents are very clinical, robotic players who will make you pay for miscalculated shots.

The pockets are a lot bigger on *Pool* than on *Snooker*, and the table is a lot smaller – so this makes it a game which is much easier to play than its predecessor. People who are bored quickly with *Snooker* because it's too slow and difficult will have a whale of a time

THE CONTROLS AT A GLANCE

Box of many tricks, including player name, required ball colour, and exactly what is required for play to continue after a foul - eg 'Place the cue ball'

- 1 Go to cue ball
- 2 View line
- 3 Disk options
- 4 Chalk cue
- 5 Add follow through
- 6 Score info/Advise the best shot

Change cue power

Zoom in

Zoom out

7 Left-hand side

8 Take shot

9 Right-hand side

10 Overhead icons

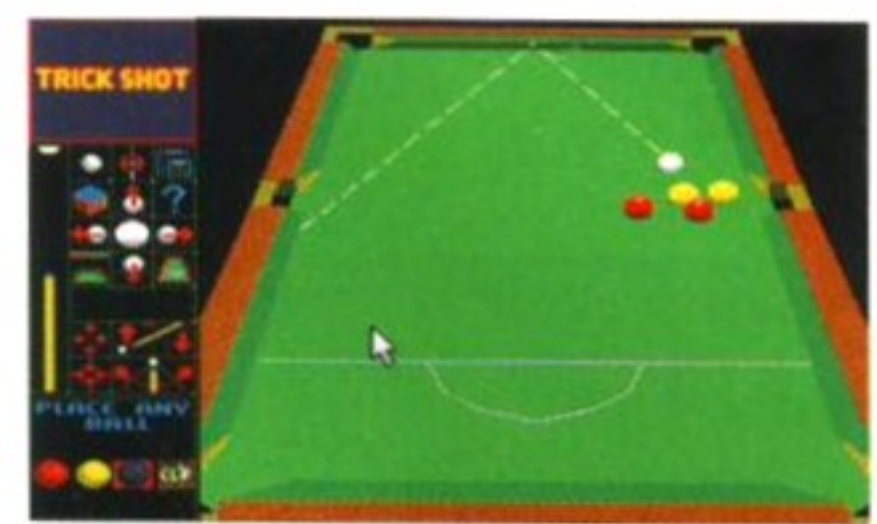
11 Add screw-back

12 Select plan view

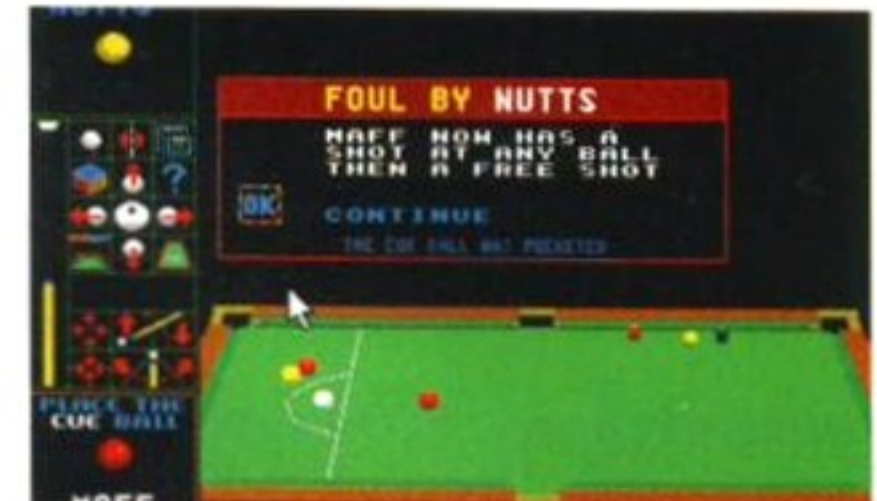
Tilt table up or down

Change cueing angle left or right

Opponent's name and other details



The Trick Shot mode is similar to *Snooker's* – impress your friends with strange potting...



Because the pockets are much larger than in *Snooker*, the white often disappears.

with *Pool*, but fans of the original game may find it a little too easy. This applies to pool in real life too, though, so it's not a reflection on the quality of the game.

So what more can I say? *Pool* is a very addictive game with loads of nice touches which make it very easy to play and, unlike some games, it doesn't leave you frustrated because the computer has 'cheated'. It follows each set of rules exactly, and the large number of opponents with different levels of skill mean that even the novice pool player will feel instantly at home.

People who have played *Whirlwind Snooker* before will not find anything new graphically because, ultimately, it is a very similar game, but some would argue that it uses the same tried-and-trusted formula which made the original game a classic. Some experienced pool players may whinge that the numbers on the balls don't move when the balls do, but that's really the only thing that they could complain about.

So instead of going down the pub one evening when it's pouring with rain, get some beer and a few mates and spend the evening playing this. You're guaranteed a great game, and you won't have arguments about who's providing the 20-pence pieces...

Andy Nuttall

Archer MacLean's Pool Virgin Games ■ £25.99

- Good control system, and very easy to play even for the novice.
- More accessible than *Whirlwind Snooker* so even the novice will feel at home immediately with *Pool*.
- Superb graphics coupled with excellent spot effects and sampled crowd noises.
- Loads of options which enable the player to use one of three different pool variations.

Verdict **89%**



THE CENTRE OF TECH

WTS ELECTRONICS LTD, CHAUL END LANE, LUTON



Amiga 600 Pack

- UK specification
- 1MB system RAM
- Mouse
- Full workbench disks, manuals & leads
- Free game included in pack
- Deluxe Paint III
- Two Python joysticks
- 100 capacity lockable disk box **£295**

Amiga 600 HD Pack

- As above
- Plus integral 20MB hard drive **£395**



Amiga 1500/2000 Pack

- 1MB System RAM • Workbench 2.04 • Mouse
- Twin Floppy • Works (Platinum addition) • Deluxe Paint III • Home Accounts • Alf game • Toki game • Puzznic game • Two Python joysticks • 100 capacity lockable disk box
- Amiga 1500/2000 Pack **£489**
- A1500/2000 with 52MB HD **£759**
- With 2MB Chip Memory add **£129**

Amiga 3000

- 1MB Fast Memory • 1MB Chip Memory • 25MHz Processor • 52MB HD • 100 capacity disk box **£1399**

Philips 8833 MKII Monitor



- 14 inch high resolution colour display
- High clarity stereo sound output
- Full RGB and composite inputs
- Free 1.5 metre long RGB cable
- Full UK warranty
- 3 Free games
- Philips 8833 MKII Monitor **£199**
- When purchased with an Amiga **£189**

Star Printers



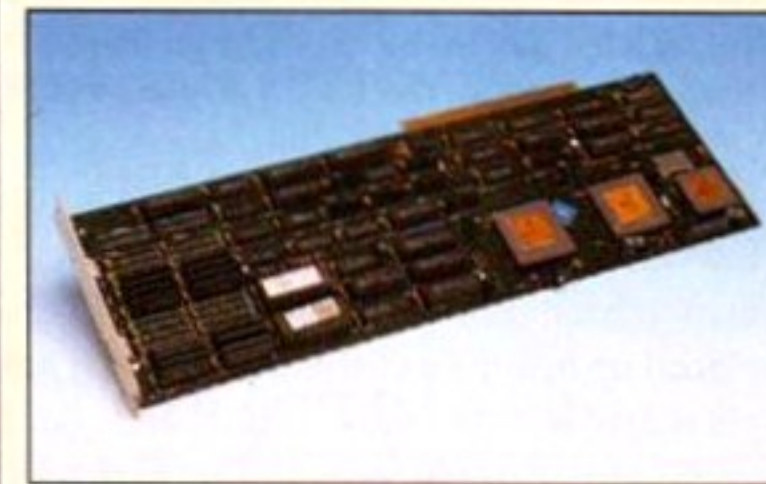
- Star LC20 Mono **£144**
- 180 characters per second, NLQ mode, multi Font, 9 pin head
- Star LC200 Colour **£204**
- 225 characters per second, NLQ mode, multi font, 9 pin head
- Star LC24-200 Mono **£229**
- 222 characters per second, LQ mode, 10 fonts, 24 pin head
- Star LC24-200 Colour **£294**
- 222 characters per second, LQ mode, 10 fonts, 24 pin head
- Star AJ48 Bubble Jet **£249**
- Quality comparable with a laser printer, very quiet and portable. Mains and battery powered, adaptor supplied

Hard Drives



- GVP A500/A2000
- High quality, high reliability
- Easily expandable memory capability using low power simms
- Complete with installation software and power supply
- A500 52MB HD **£344**
- A500 52MB & 2MB Fast Memory **£384**
- A500 52MB & 4MB Fast Memory **£424**
- **New**
- A500 52MB with Combo Accelerator 40MHz **£694**
- A1500/2000 52MB HD **£278**
- A1500/2000 52MB & 2MB RAM **£319**
- A1500/2000 52MB & 4MB RAM **£359**

Emulators/Accelerators



- The professionals and hobbyist tools
- KCS Powerboard Emulator **£179**
- GVP 286 Emulator **£189**
- AT Once Emulator **£176**
- G Force 68030 25MHz & 1MB **£579**
- G Force 68030 40MHz & 2MB **£844**
- G Force 68030 50MHz & 4MB **£1179**
- G Force 68030 28MHz A3000 **£1669**
- G Force 68030 33MHz A2000 **£1669**

Workstations



- Ergonomically sound
- Facilitates up to three external floppy drives
- Made in the UK
- Strong and robust
- Aesthetically pleasing
- Keep your desk neat and tidy
- Supplied complete and assembled with free mouse mat
- A500 Workstation **£36**
- A600 Workstation **£36**
- Swivel and tilt monitor stand for the above **£5**

Peripherals



- 100 Capacity lockable disk box **£4.99**
- Squick mouse **£13.99**
- Mouse mat **£2.50**
- TDK high quality DSD (10) disks **£9.99**
- 1000 colour disk labels **£12**
- LC20 printer ribbon **£3.49**
- Jet Fighter joystick **£13.99**
- Apache joystick **£6.99**
- Python joystick **£9.99**
- Zipstick joystick **£14.99**
- A500/A500+ Internal replacement disk **£39**
- Vast range of leads for many applications - **Please call**

Scanners



- Allows image processing in a useful and unique fashion
- Comes complete with operation manual and the latest version of processing software
- One of the fastest growing applications for home and professional users
- High specification coupled with cost effective pricing
- Power Hand Scanner
- 64 greyscales 100-400 DPI
- Thru'port to printer
- Fully compatible with Delux Paint 4, etc.
- Power Hand Scanner **£96.99**

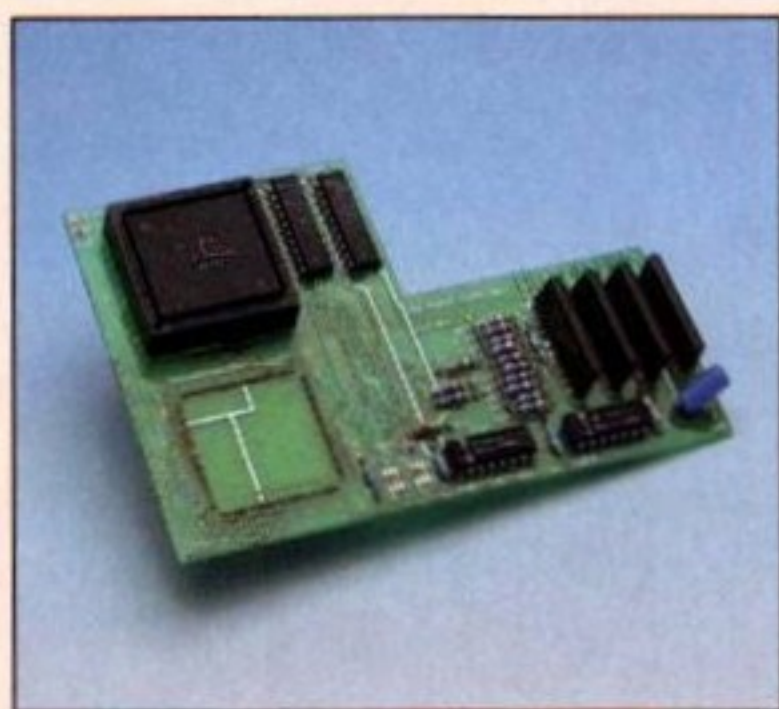
Music



- Highest quality stereo sound sampling
- Compatible with A500, A1500/2000, A3000
- GVP Digital Sound Studio **£49**
- Screen Beat Speaker System **£25** (Adds amplified stereo sound to the Amiga)
- Megamix Master **£37**
- Stereo Master **£34**

TECHNICAL EXCELLENCE

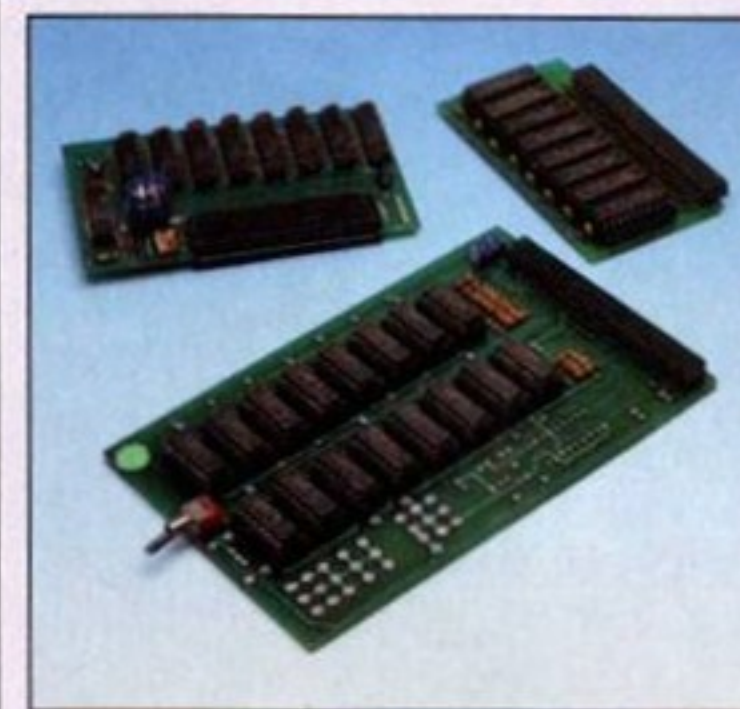
W, BEDS, LU4 8EZ TEL (0582) 491949 (6 LINES)



Pro Agnus 2MB

- Provides a full 2MB of Chip Memory for the Amiga 500 and A1500/2000
- Designed and built in England
- Supplied with 8375 Obese Agnus
- Includes 2Mb Memory on board in the form of low power Zips
- Allows the processing of elaborate animation and sound sampling
- Provides the same max. chipmem as the A3000/A600 & 500+
- Increases addressable memory space from 9MB to 10MB
- Complete with full instructions
- British made

• Pro Agnus 2MB **£139**
• Fitted **£159**



Memory Expansions

A500 Pro-RAM 0.5 Meg. Upgrade
• Chip memory compatible • British made
• Without clock **£16** • With clock **£19**

A500 Pro-RAM 1.5MB Memory Upgrade
• Gives a full 2MB of internal memory **£79**

A500+ 1MB Memory upgrade **£39**

Supra RX500 (2MB-8MB)
• 2MB **£138** • 4MB **£194** • 8MB **£299**

A600 1MB Memory upgrade **£49**
10MB Memory upgrade A500 **£408**

High Current Power Supply



- Allows the addition of peripherals without damage to computer or power supply
- Why risk damaging your expensive kit when one simple investment will ensure total peace of mind now and for the future
- Switch mode design
- Full crow bar projection
- A500, A500+ and A600 compatible
- British Made

• A500 Power supply unit **£44.95**
• A590 Power supply unit **£44.95**

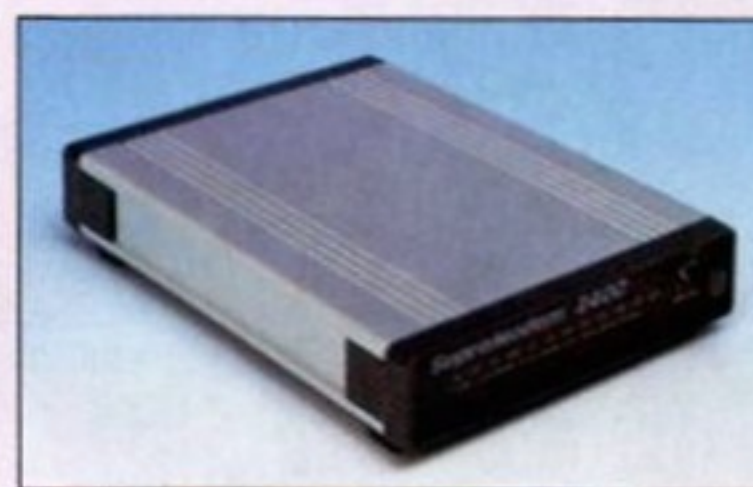
Cumana 3.5" External Drive



- High Quality
- Renowned and proven reliability
- Top notch specification
- Anti-click
- Long moulded cable
- Slimline design
- High impact plastic

• Cumana external drive **£54**
• Cumana external drive + 100 capacity disk box **£57**
• Cumana external drive + 100 disk box + 20 blank disks **£63**

Supra Modems



- Utilise hundreds of PD Bulletin Boards
- Communicate with fellow computer users
- Cuts down on telephone bills by using fast efficient baud rates
- 100% Hayes compatible
- Tone pulse, Auto Dial/Auto Answer
- Standard RS232 Interface
- Programmable number storage
- Free Coms software

• Supra 2400 **£84**
• Supra 2400+ **£129**
• Supra Fax Plus (0-9600 BPS) **£148**
• Supra v.32 BIS (Fax Modem) **£258**

Chips and Spares



- WTS have sole distribution rights from Americas biggest Commodore chip distributor

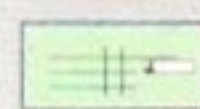
• Workbench 2.04 Kit (Includes manuals, disks & chip) **£78**
• Kickstart 2.04 **£32**
• Kickstart 1.3 **£24**
• Kickstart ROM Swapper (Swap between kickstart by keyboard control) **£18**
• Fatter Agnus 8372 **£32**
• Obese Agnus 8375 **£48**
• High Res Denise **£29**
• 1MB x 9 Simms **£22**
• 1MB x 4 Zips **£16**
• 8520 CIA **£12**



SALES HOTLINE 0582 491949 (6 LINES) OR 0480 471117



Credit Card ordering by phone is easy. Simply phone our sales hotline quoting your credit card number., expiry date, name and address and the products you wish to order and we'll do the rest. Alternatively write the above details on your letter when ordering by post.



When ordering by post in cheque form please write your cheque card guarantee number on the reverse of the cheque and send along with your order. Postal Orders are also accepted.



NO DELIVERY CHARGES TO UK MAINLAND. NO MINIMUM ORDER AMOUNT.
Should you wish your order to be sent by Group 4 Security service please add £5. This method is normally faster than the postal service.



WARRANTY: One year return to base (excluding chips).
ONE YEAR EXTENDED WARRANTY: Available on all products (excluding chips) at 10% of purchase price when ordering.

WHERE TO FIND US!

Head Office
WTS Electronic Ltd
Chaul End Lane
Luton
0582 491949

Computer Mall Bedford
No.16 Downstairs
The Harpur Centre
Bedford
0234 218228

Computer Mall St. Neots
No.6
Priory Mall Shopping Centre
St. Neots
0480 471117

Computer Mall Hertford
49 Railway St.
Hertford
0992 503606

Computer Mall Dunstable
Opening Soon
84 High Street North
Dunstable

All prices quoted or products stocked are subject to stocking levels and availability. WTS cannot be held liable for force majeure, or items, which are out of stock due to demand or low stock at its suppliers. WTS reserve the right to amend prices or revise packs or specifications without prior notice at any time without liability upon itself.



Oh blast! I seem to have made a little boo boo. It looks as though I have not let go of my stick, and have made a foul mess.



20.66 seconds. Rubbish. That's third place. Maybe I should've jumped over the hurdles...

The Carl Lewis Challenge

Remember the good ol' days of 8-bit computers and those wondrous games like *Daley Thompson's Decathlon*, or *HyperSports* where you waggled your joystick so much that you had to buy a new one every weekend? Well those days are back, with a new kid on the block – Carl Lewis – and his very own endorsed Amiga challenge.

The game has two modes of operation: there is your standard waggle-and-play arcade mode, where all you have to do is to take lots of energy tablets to make sure your hand doesn't drop off from err... waggling too much. Then there's the fuller game where you have to train your athletes to the best of their ability, and then waggle your joystick to reach that ultimate goal of winning Gold.

Sound's like a lot of waggling whichever option you choose, and indeed there is. But thankfully, the programmers have included a couple of other control methods – rhythm and gearing. These are designed to relieve the strain on your joystick and provide you with the option to save your hands from repetitive strain injuries (RSI fact fans).

This is a nice little thought; very considerate, except that these control modes are actually quite crap and, in the end you'll simply find yourself reverting to good ol' waggling like a drug on ecstasy.

The game consists of five events – 100 metres, 110 metre hurdles, javelin, high jump and long jump. Now, I never knew that Carl Lewis competed in all these events, but I guess Psygnosis are allowed a little creative licence.

Now is not the time to take a nap. At least the high jump bag is nice and soft and comfortable and...



The 100 metres is just a case of a quick dash from one end of the athletics field to the other.. World records? Who needs 'em? I managed to do the dash of dashes in only 6.5 seconds! Linford would have been green.

The hurdles are almost exactly the same as 100 metres, except that every so often, as you are waggling you have to press the fire button to initiate a jump over a hurdle. Not difficult, just spot-on timing is all that's needed. And, at 8.64 seconds, another world record just falls into my hands!

Success does not come so easy in the javelin event. To determine the angle of projection, and throw your javelin, you just waggle and press your button. Easy. But the officials were not on my side: all I managed was to get myself disqualified. Whoops!

Aha! Now the high jump. Lovely. And it's quite easy: just waggle to run up to the bar while pressing fire to determine the angle of your jump. Once in the air, just press fire to lift your legs over the bar. I leapt a good 2.5m here. Excellent. Finally it's the long jump – more waggling to determine your take-off angle and that's it. I managed a super human 15.8m here. That's 52 feet!

But, if you're more of a decision-maker than an athlete, the tactical side of the game might appeal to you more. Here you have to decide which event each of your athletes will train in, how frequently, intensely and for how long. (See the box on the left entitled 'Discipline Yourself'.)

To sum up, this game is rather on the tedious side. It's far too easy to achieve World Record-breaking results, even with a mediocre team of athletes, so the incentive to get this game up and running again is zilch. I'd be more inclined to pay around £6, not £26, even if it is a Psygnosis game.

Asam Ahmad

DISCIPLINE YOURSELF

Different events require different combinations of attributes...



This log book is used to determine who needs training in what discipline. Those with red blobs need some special attention.

- | | |
|----------------------------|---|
| ISOTONICS | Very tough weight training for power, speed and agility |
| ISOMETRICS | Resistance weight training for power |
| ACCELERATION | Stop-start for power, speed and agility |
| HOLLOW RUNNING | Sprinting, pausing and repeating, for stamina. |
| CIRCUIT TRAINING | Continuous muscle exercises for stamina, power and agility. |
| FARTLEK RUNNING | Informal fast and slow running for stamina and speed. |
| STATIC STRETCHING | Tough stretching exercises for agility. |
| INTERVAL TRAINING | Formal fast, recovery, fast run. |
| REPETITION RUNNING | Fast run, long pause and repeat for. |
| BALLISTIC STRETCHES | Rhythm and momentum stretches. |

The Carl Lewis Challenge Psygnosis ■ £25.99

- OK music that accompanies the game. Not quite Monserrat and Freddie though.
- Some good graphic touches, but it wouldn't win any gold medals.
- Choice is limited: you only get five events to compete in.
- Limited gameplay, no variation, and there isn't much of a challenge here either.
- No skill involved in it at all.



56%

EXPLORE THE WORLD OF WIZARDRY®



BUT REMEMBER TO COME BACK!

Ask any seasoned role-playing gamers about the Wizardry series, and they'll tell you just how deep it is.

Wizardry 6 - **Bane of the Cosmic Forge** now goes even deeper, with over 200 hours of gameplay, 11 character races, 14 professions to choose from and a mystical plot that weaves its way through a journey of wondrous magic and adventure.

Not everything about **Bane of the Cosmic Forge** is fantasy though; its reviews are most certainly for real.

PC Review and Zero awarded 90% and Strategy Plus magazine's readers voted it "**Best Role-Playing Game**" and "**Best Game of 1991**". Not bad when you consider it has never officially been available in the U.K.

U.S. Gold, who brought you Eye of the Beholder I and II, know a great RPG title when they see one. Now they've signed up Sir-tech, the brains behind the Wizardry series, so that you can experience deep role-playing for yourself.

But before you begin, a little advice from someone who knows. Have something to eat and drink as it may be sometime before you get another opportunity!



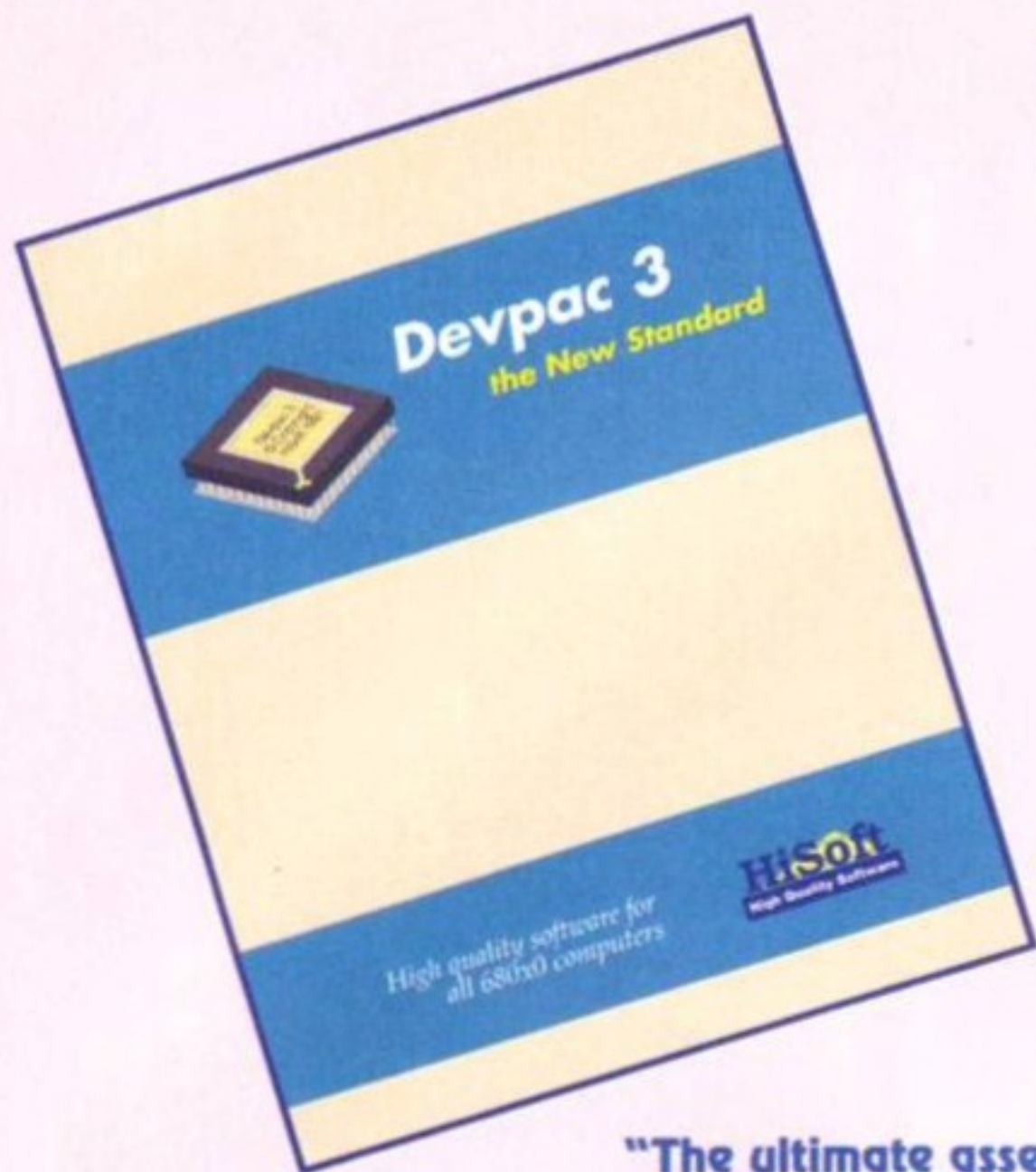
A SERIOUS EXPERIENCE

U.S. Gold Ltd., Units 2/3 Holford Way, Holford,
Birmingham B6 7AX. Tel: 021 625 3366.

BANE OF THE COSMIC FORGE COPYRIGHT © 1990 BY SIR-TECH SOFTWARE, INC. AND D.W. BRADLEY.
WIZARDRY® IS A REGISTERED TRADEMARK OF SIR-TECH SOFTWARE, INC.



HINTS TIPS 'N' CALL THE GOLD PHONE: SPELLJAMMER • PROPHECY OF THE SHADOW • THE SUMMONING • DARK SUN • EYE OF THE BEHOLDER • LEGEND OF DARKMOON (EYE OF THE BEHOLDER II) • DRAGONS OF FLAME • HEROES OF THE LANCE TEL: 0839 654 139 OPERATION STEALTH • ANOTHER WORLD • FLASHBACK • CRUISE FOR A CORPSE TEL: 0839 654 284 LUCASFILM HELPLINE • LECHUCK'S REVENGE (MONKEY ISLAND 2) • INDIANA JONES (LAST CRUSADE & FATE OF ATLANTIS) • ZAK MCKRACKEN • MANIAC MANSION • LOOM • SECRET OF MONKEY ISLAND • BATTLE OF BRITAIN TEL: 0839 654 123 INFORMATION LINE: 0839 654 124 • LEGENDS OF VALOUR TEL: 0839 993 366 • ACCESS HELPLINE: AMAZON TEL: 0839 654 394 • SIR TECH HELPLINE: CRUSADERS OF THE DARK SAVANT TEL: 0839 994 477
Service provided by U.S. GOLD LTD., UNITS 2/3 HOLFORD WAY, HOLFORD, BIRMINGHAM B6 7AX. If you are under 18 please get permission to use the telephone. Calls cost 30p per minute cheap rate, 40p per minute all other times.

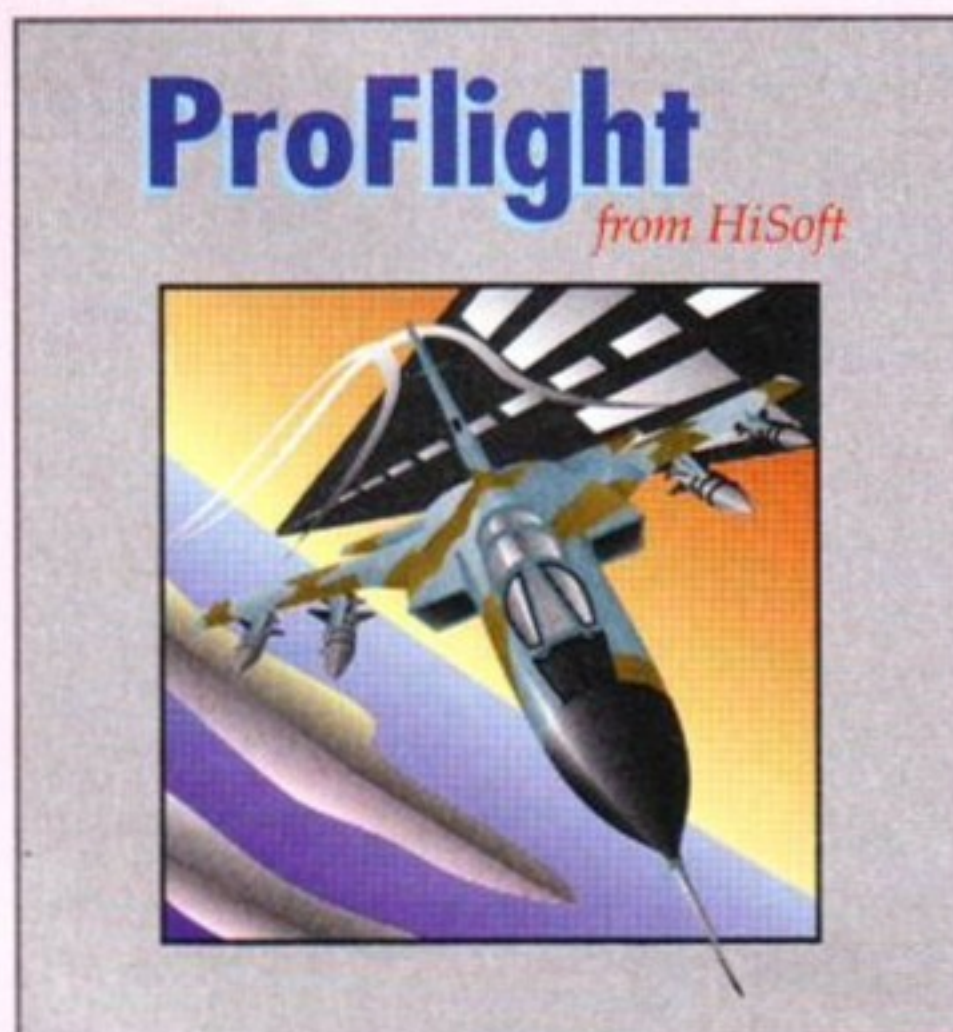


"The ultimate assembler language system"

Amiga Format Gold 4/92

The newest assembly-language development system for the Amiga. Devpac 3 is the most powerful and complete package ever released - just look at a selection of its features:

- Full Workbench™ 1.3 and 2.x compatibility
- Multi-window editor with macros, bookmarks and total integration making the package a joy to use for both the beginner and the professional programmer
- Super-fast 68000-68040 assembler and debugger with support for the maths co-processor
- Pre-assembly option makes using the Amiga includes simple and very, very quick
- Assemble to memory, many assembler-control options and optimisations, repeat loops, output of code to executable, linkable or S-Record format, full listing control and much more makes Devpac 3 unbeatable



ProFlight - still widely regarded as the most accurate flight simulator on the Amiga and now at a bargain price (see the order form). ProFlight features the Panavia Tornado aircraft, the fastest aircraft in the world at ground level, and allows you to fly peaceful, reconnaissance missions or to engage in fully-armed combat at speeds of up to Mach 1.2 at ground level.

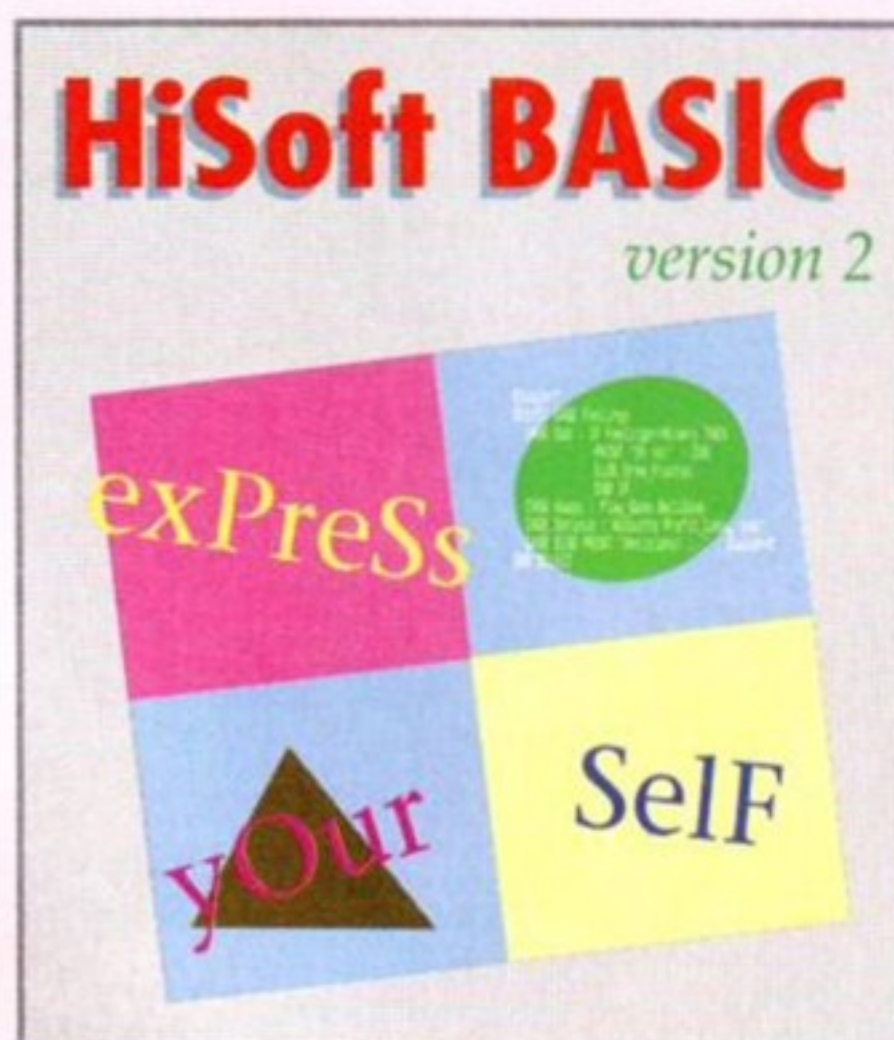
The package comes with a professional 190-page flight manual detailing all aspects of flying this exciting aircraft, including chapters on flight theory, ILS landing and air-to-air combat.

HiSoft
High Quality Software

for more information on any of our products, please call HiSoft on 0525 718181, or fax us on 0525 713716 or write to us at: The Old School, Greenfield, Bedford MK45 5DE UK.

More Reasons to be Cheerful

Congratulations on buying this month's issue of Amiga Format, complete with Devpac Amiga 2 on the cover disk. Now you can buy the full package, with the Commodore include files, all the software and the original manual for only £14.95 - or you can upgrade directly to the new, all-powerful Devpac 3.02 for £49.95, a saving of £20! Is that enough to put a smile on your face? If not, look at our other bargain offers including HiSoft BASIC 1.05 and Extend for only £24.95 - all offers are exclusive to Amiga Format readers and valid only until 31 October 1992 ...



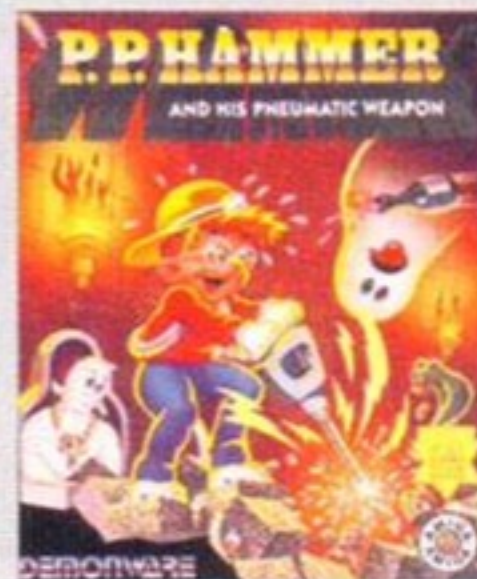
Coming soon to an Amiga near you!

Due out in the Autumn is our latest version of BASIC for the Amiga, HiSoft BASIC 2, which boasts full Workbench™ 2 compatibility, a complete range of new libraries, a multi-window editor and much, much more.

In the meantime we now offer its pre-decessor, HiSoft BASIC 1, together with the Extend set of library functions at an amazing price (see the order form). This package has long been regarded as the most professional BASIC on the Amiga - and, at this price, it's the best value as well!

SPECIAL OFFER

PP Hammer



"Packed with puzzles & problems, neat tricks and canny surprises" (Amiga Power 89%)

~~£25.99~~
£15.99

Don't forget

- submit your game and you might win a prize as well as fame!!! See the assembler article!

Are you following the assembler programming article and using the K.T. and PP Hammer characters in your own game? Take advantage of this offer to see how they are used in the original games

£10 off

Top Banana



"Addictive and thoroughly superb ... the polish and sure-fire detail makes it a sure-fire winner" (Micro User 95%)

"The most bizarre, weird & freaky game to hit the streets for a long time ... remarkably addictive" (Games-X)

~~£25.99~~
£15.99

DMI Ltd
0753 686000

Special Order Form

Use this order form to obtain special prices on HiSoft products. You can pay by Mastercard / Access / Visa / Switch / Connect etc. or simply send us a cheque / PO. All offers are valid until 31 October 1992 and are subject to availability. Prices include P&P and VAT within the UK. Send the completed form to HiSoft, The Old School, Greenfield, Bedford MK45 5DE UK.

Devpac 3 Amiga upgrade £49.95
 Devpac Amiga 2 complete £14.95
 HighSpeed Pascal 1.10 £99.95
 HiSoft BASIC 1.05 & Extend* £24.95
 The AmigaDOS Manual £19.95
 ProFlight Tornado flight sim £19.95
 *special price, not upgradeable

Name: _____
Address: _____

Cheque/Postal Order
 Credit card
 Debit card (HiSoft)
 Card No _____
 Signature _____
 Expiry Date _____

Use the order form above to get your copy of PP Hammer and Top Banana for £15.99 each (please tick the relevant box). You can pay by Mastercard / Access / Visa etc. or simply send us a cheque / PO. Prices include P&P and VAT within the UK. Send the completed form to DMI Ltd., Unit 3, Foyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX UK.

One of the accepted rules of football is: 'Jimmy Hill – you love him or you hate him'. There are no in-betweens. Obviously the BBC have realised that the majority's view of Jimmy was shifting to one of these extremes and so replaced him with Gary Lineker and Alan Hansen (on *Match of the Day* at least). Obviously, Zeppelin haven't cottoned on to this and have retained Jimmy alongside Des 'Twinky-Smoov' Lynham.

What's all this got to do with the game? Simply that it plays like a game that the chinned-one would enjoy (and that Des could understand).

The game is played solely by mouse control. You click on icons to chose various appointments to see people. On the left of your screen is your personal organiser; on the right is a bank of icons. Take an icon from the bag, and drag it on to a vacant time slot – that's a major part of the game. Each page represents a day in a week at a club of your choice. There are five time slots per page.

You don't have to fill up all of them, but it is wise to keep a busy schedule, meeting with people, and with the chairman, talking to the fans, and checking on how the team's doing.

Your 'Lads' have a match every week, so you have to plan your time in advance depending on how well your team is performing. This is a bit difficult when you first start the game, as your team haven't played any games yet. The fact that your team starts off in Division 4 does mean that your players aren't going to be tremendously good, so in the first week it is wise to send out your scout.

One good point about the game is that if your scout, or any staff member, isn't pulling his weight, you can sack him and hire anew. Everybody has a job to do and everybody is



"So Jimmy, have we anything exiting to look forward to this afternoon?"
 "No, Sainty."
 "Wrong channel Jim."



"So Jimmy, what do you make of the new back-pass rule?"
 "Thanks Des. Well all I can say is that it will be good for the fans, that it wasn't the chairman's fault, and that it won't worry the the Germans"
 "Er... Jimmy"
 "Yes Des"
 "Belt-up mate"

Match Of The Day

expendable in this game, even you. If you don't employ a method of keeping yourself busy, and let the club run down hill, you can be sure that the chairman will call a 'meeting'.

For the most part, meeting people is part of a manager's job. You must liaise with the trainer and the physio to make sure that all your players are performing to their best, and that if they have been injured, that they recover as quickly as possible. If of course you do have some unruly players in your squad, it is time to have a stern talk with them, and if necessary exclude him from your current playing team with a view to selling him.

The long bore game

Having gone through the week meeting loads of people (even fans), and doing lots of deals, you also have some meetings that are made for

you, such as by another club when they want to buy a player from your squad.

The final icon that crop up at the end of the week, of course, is the Match Of The Day icon. This is where you see the highlights of your team's performance every week with (just to make it all so real) commentary from Jimmy and Desmond!

Although there are plenty of options, the gameplay is quite shallow. The highlights of every Saturday game make even a home match at Wimbledon or Cambridge seem exciting, stylish football. The interaction between the actual football side of things and the managerial side is very, very limited. The result? *Match of the Day* fails to hook you to any real extent. Ultimately, this shows that having a big name licence doesn't always make a good game. The Amiga's the loser in the end Jim.

Asam Ahmad & The Team.

ONE WEEK IN THE LIFE OF A FOOTY MANAGER

1. Meet with the supporters club to get opinions.
2. You can select whether or not highlights of the match are shown.
3. Have a meeting with the team physio.
4. Do some dodgy dealings with other clubs.
5. Select your super squad of players.
6. Meet with the club trainer to beef-up your team.
7. What do the press think of you?
8. Have a 'chat' with some unruly team members if there are any opposition players worth poaching.
10. Have a meeting with the stern-looking chairman.
11. Time for Jimmy and Desmond...
12. Save your progress to disk, and load past games.
13. Check your fixtures for future games.
14. Check your team's score card.
15. Calculate your team's finances.



Match of the Day Zeppelin Games ■ £25.99

- Easy to play if you're good a moving icons.
- Easy to get bored of if you don't like icons.
- Jimmy and Des are as in real life. Dull.
- The actual football elements are marred pathetic graphics on the 'highlights'.
- A manual that could be the tactical guide for non-league managers – it's very thin.



56%



Hitting a bend at 120mph while heading straight for the trackside is probably not a good idea. My advice is to buy a car.

Red Zone

Red Zone? Isn't that an area where you can't park your car? Well no, it's the latest motorbike simulator from Psygnosis. You have the chance to become champion motorcyclist of the world, but first you must win all of your races. To do this, you must make your way around 10 tracks from around the world (Silverstone etc) against six of the most fiendish competitors you will ever find on a motor track.

Before you race you must choose a bike, and qualify. You have the choice of manual or automatic gears. Now most people would think 'Great I'll choose auto 'cos it's nice 'n' easy,' and indeed it is. But you don't quite

have the control that a manual gearbox gives you, and this is vital. Next you can set up details about the course you want to ride on, such as scenery, number of laps and things like that, to tune the game so it runs as fast and as smoothly as possible. Once you have chosen your options, you are provided with a sort of code. This enables you to define the system more quickly the next time you play it, by simply entering the code on the options screen.

Danger zone?

So what's so special about this game? Well instead of the standard view you get from most bike sims - looking at the action from behind



The guy on the green bike is in front of me at the moment, but not for long. I shall turn my super-power turbo boost and negotiate my overtaking manoeuvre.

your bike such as in *Super HangOn* - you have a first-person view of your bike instrument panel. Excellent! *Indy 500* on a bike. The thing is you're on a bike not in a car, and when you turn a corner it's more a case of leaning than steering. This means that, due to the view the game gives you, your world seems very unstable as you take bends at 100 mph. You often find yourself hoping you don't graze your knee. Full brownie points for realism.

Duff zone?

Where it doesn't match up to *Indy*, however, is that there is nothing to compel you to keep going in your task to win the championship. The simulation is realistic, though, especially when you are turning a corner, and even when you crash you have to use the cursor keys to manoeuvre your bike back on to the track.

The control system is a bit touchy, especially if you are using the mouse: the bike tends to fly across the screen at an alarming rate. You can be travelling along the track, minding your own business, when suddenly this nasty bend comes along. You turn the



bend in what you think to be a decent manoeuvre, but unfortunately you seem to be travelling horizontally towards the yellow barrier at the side of the road. You hit one side, and immediately fly to the other, and back and back until you come to a stop and have to reposition your bike.

This control system, accurate as it may be, is just too complicated for a game of this kind. OK, it's realistic, but it takes a lot of getting used to. If you can stand the way it works fine, but I like a game I can get into immediately, no messing around, just boot and play. Close but no cigar, I'm afraid.

Asam 'Easy Rider' Ahmad

Red Zone Psygnosis ■ £25.99

- Very realistic. But the automatic gearing heighten this over and above the manual.
- Some good, fast vector graphics, reminiscent of *Indianapolis 500*.
- Configurable to run as fast as possible on the system you use.
- Tricky control system: it's too touchy with the mouse and it's crap with the joystick
- Limited variation in gameplay

Verdict 64%



PRETTY CLEVER AND PRETTY COLOURFUL, BUT WE'RE KEEPING IT VERY QUIET.

Even the loudest colours are far from deafening when they come from the new Swift 2



Series. These new 24 pin printers are so quiet, you can keep talking while

AMIGA COMPATIBLE

QUIET: 43dB(A) FAST: 240CPS

they keep working. Yet they can produce stunning colour graphics and fast, accurate,

scalable type in sizes from 8 to 40pt.

All of this from a series of printers at

prices that are really worth shouting about.



THE NEW SWIFT 2 SERIES

COLOUR OUTPUT/SCALABLE FONTS

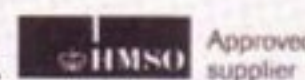
CITIZEN
COMPUTER PRINTERS

ALWAYS A GOOD IDEA

To find out which Swift 2 Series printer is right for you, contact

your nearest Citizen dealer. For details call **0800 52 51 05.**

Citizen Europe Limited, Citizen House, 11 Waterside Drive, Langley Business Park, Langley, Berkshire SL3 6EZ.



The knot shown was superimposed after the bird was photographed.



Travellers we, on a restless sea. And currently plotting a course towards the treacherous, jagged reef that is budget software. Asleep at the helm, your captain, **James Leach**...

Cheap 'n' Cheerful

AMIGA FORMAT



Bank! I must get to a bank! Never let it be said Tornado pilots are less than sensible with money. Also never let it be said the enemy aircraft in F1 look like real planes.

F1 Tornado

Zeppelin Platinum ■ £7.99

Are you the sort of person who gets a thrill out of flying through a valley in Wales at 600 mph. If so, get yourself trained and hop into a real Tornado. On the other hand, if you'd prefer to drive gently down a Welsh valley on your way to an eisteddfod, you might want to buy F1 to play instead. You whiz along, waiting for dots to appear on a radar. When they do, you've got a third of a second to steer towards them. They turn into triangular planes, whereupon a targeting box appears on your HUD and you open fire.

It's fast, it's quick and it isn't slow. But there is very little detail and the graphics plummet to the depths of angular minimalism.



Get out of the way or I'll throw a tantrum, ask for an infeasible amount of money and resign when you agree! And my moustache is withdrawing its support as well.

Super Monaco Grand Prix

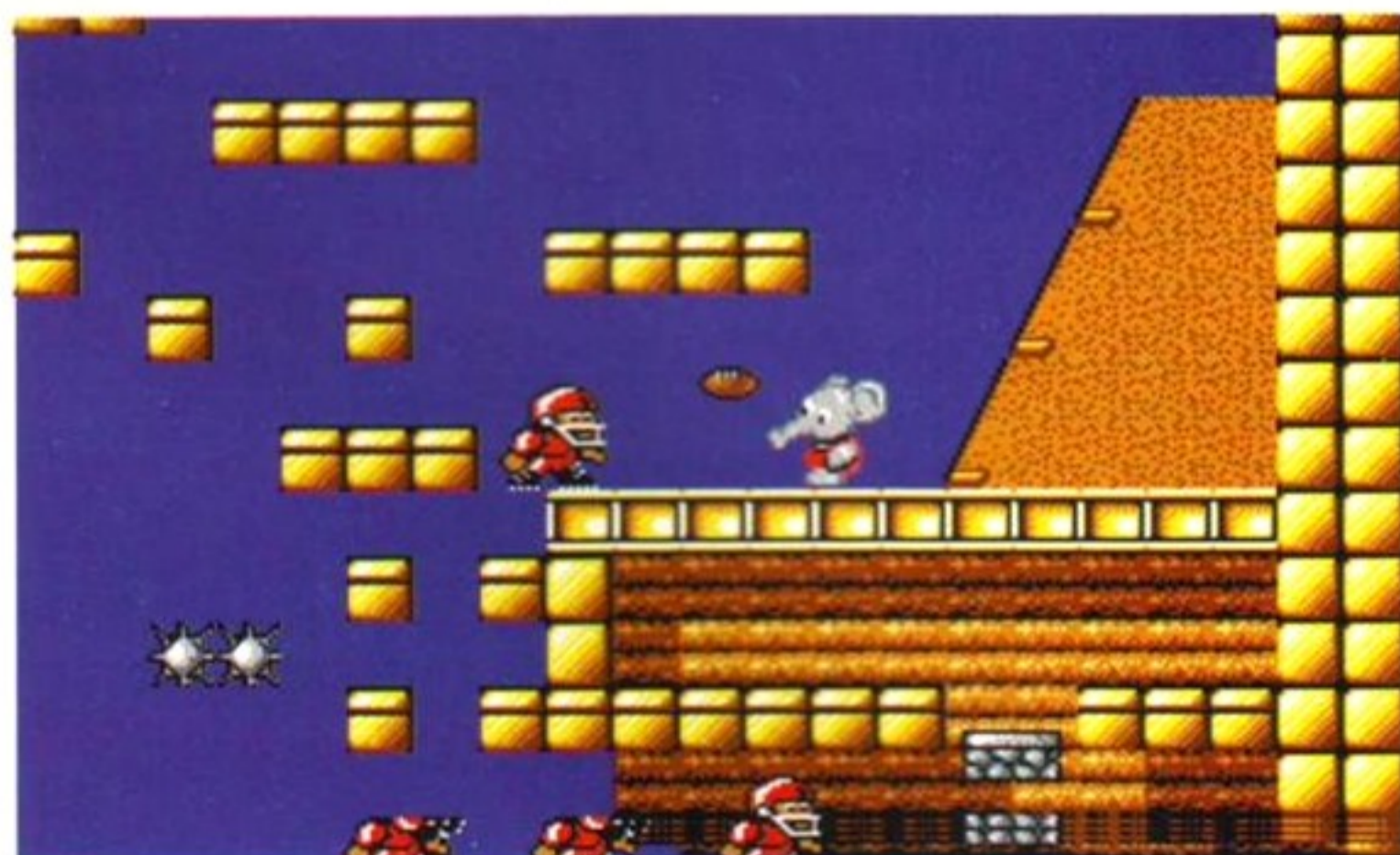
Kixx ■ £7.99

Years ago, before the Earth cooled and a collection of molecules called Mr Crammond wrote *Formula One Grand Prix*, this was the racing-car game. It was a lot of fun as a coin-op and now it's a lot of fun as an Amiga game.

You race around a 3D circuit trying to qualify. Then you race around the same circuit with a load of other cars getting in the way. It's fast, the graphics are impressive (for their time) although they haven't aged as well as Jane Fonda. So the graphics are fine, the sound is good, it's exciting, it's got a nice arcade feel to it and it's tough but not too tough. What more do you want? Go out and buy it.

110

NOVEMBER 1992



Nonplussed by American culture, CJ is felled by a pass from a dog dressed as a Quarterback. And rightly so. He could have learned about gridiron from Channel Four.

CJ in the USA

CodeMasters ■ £7.99

CJ is an elephant with a cute face and a very small body. Realising that these attributes make him perfect for intercontinental travelling, he decides to visit the United States. But no sooner has he arrived than people try to kill him.

So CJ is thrown into a world of platforms, bun-throwing and food-collecting through three large and taxing levels. Ultimately, he's trying to rescue his family from an evil hunter, but don't waste your intelligence on this nonsense. Just view *CJ in the USA* as a colourful, fun platform game with added bits.

The game is cute, nicely drawn and fun for those who like cute, nicely drawn things.



Flipping heck! (This joke has just won the 'saddest pinball joke in Amiga Format' award) If you wish to help it celebrate, it'll be down the pub from eight onwards.

Soccer Pinball

CodeMasters ■ £7.99

This is a game of two halves. One half wants to be soccer and the other is determined to be pinball. In fact, the pinball half is much larger than the soccer half, making it distinctly lop-sided and mathematically improbable.

The concession to soccer is the table is green, with a few choice phrases from our national sport written on it. The problem is the release of *Pinball Dreams* rains on *Soccer Pinball's* parade, but it could be so much better. You have four sets of flippers, but the ball spends so much time diving between the bouncy points-scoring things in the middle. Then it dives between the flippers, causing you to swear profusely.



Arnie does his impression of the running man. He's running at another running man. Two more running men are running after Arnie. All in all, it's a screen full of runners.

Total Recall

Hit Squad ■ £7.99

Arnie has got confused, lost his memory and been in several fights. After a visit to the Recall company (motto: 'We can remember it for you wholesale™'), he finds himself in a multi-level platform game, with car-racing bits attached.

You control the big guy as he rushes around the platformy bits, collecting useful things and punching or shooting anybody who gets in the way. On later levels you also control the big guy's car, as it races up a vertically scrolling road. The idea is to avoid, punch, or shoot any other cars that get in the way. Arnie doesn't appear to be a great believer in variety.

The game plays a little sluggishly for my tastes. The graphics aren't anything to phone the National Gallery about, and the gameplay is frustrating without being particularly rewarding if you manage to beat it. Still, the platforms are filled with puzzles to solve, there's a lot of killing and the whole thing is large to the point of being pretty huge. The overall impression is one of a competent game which doesn't push the Amiga to within a tenth of its abilities.

If you're a fan of the big guy, you might be mollified to find pictures of him dotted around and between the levels during the intro. It won't make up for the lack of real substance in the game, but it adds a bit of quality and will please Arnie's fans, especially those who flocked, screaming, to see *Total Recall* at the cinema (and who have probably bought it on video in both wide-screen and normal-o-vision).

Verdict 79%



Being chronologically-challenged, Dynamo plays with the National Grid (unaware of the dangers) as he wends his forgetful way to, where was it again? The war, probably.

Captain Dynamo

CodeMasters ■ £7.99

Be warned; Captain Dynamo is an old person. As such, his creaky bones don't work quite as well as they used to. So from the start, you're aware that this is no normal platform game. Plot? Well OK, if you want plot, here it is – another oldster, called Flyswatter, has nicked a load of diamonds and sprinkled them around the launch site of a moon-rocket. He intends blasting off in this thing to seek a new lunar life. He seems to have overlooked one small fact: he's bound to die when he arrives (because there's no air in space). But you, as Captain Dynamo, must do your best to collect the diamonds and stop him.

The game is played as a vertical platform affair, with all the 'falling-off-and-dropping-for-miles' hassles that you would expect from such an affair. The Captain has the ability to bounce high in the air, as well as move cautiously along the booby-trapped platforms. And basically you've got to plug away until you've reached the top.

It's not very inspired, and using an old person is a gimmick that doesn't amuse for very long. But it's nicely done in the traditional Codies cartoon style, so if your eyes aren't what they were you should be OK with it.

What more can I say? It's got everything you'd expect to see in a (CodeMasters) platform game. It's playable, it's nicely thought out and ultimately you'll have seen something like it before, unless you're an old person and have dementia. (Isn't this all a bit ageist? – Ed.)

Verdict 67%

Tri Star Simulations

Soundware International ■ £9.99

Three games on two disks and not a simulation in sight, to be frank. But let us not be disheartened. Let us review them on their own merits. And then let's go down the pub.



The split screen effect makes it a tad tough to get any idea of what's ahead of you.

Turbo Trax

It's a cross between *Supersprint* and *Railroad Tycoon*. You have to stay on the circuit and 'steer' round the corners by pointing the joystick into them. Obstacles like chicanes, oil, cross-overs, thin bits and so on, make things marginally more interesting, but if this is the sort of thing you're fascinated by, why don't you save a bit more and buy *Scalextric*? You get something tangible then, even though you have to scrabble under the sofa for the crappy Sierra rally car that always comes off on that top corner.



Airball makes a remarkably fine door for a rabbit hutch or the enclosure of any similar small mammal.

Airball

This is similar to the old *Knight Lore* game on the Spectrum. You bounce through a load of 3D isometric rooms, escaping baddies and collecting goodies. The maze of rooms is pretty large and the incentive to explore them is in inverse proportion to this.

It's another boring game. The rooms are tiny and occupy the centre of the screen, marooned in a sea of black background. And don't think this makes the whole thing atmospheric; it doesn't. It just makes the game easier to turn off.



Aren't you glad when you cleaned the car, you remembered to put fresh ammo in the drums?

Major Motion

Not a *Catch-22* character, but a car racing game. You drive a car out the back of a lorry and belt along some roads, overtaking other cars. You have a pair of machine-guns, with the option on plenty more weaponry once you get far enough into the game. It's a bit like *The Spy Who Loved Me* except that the sprites are bigger. The thing is though *Major Motion* should be called *Sergeant Motion*, it's that dull.

Verdict 43%



Today's gamers are spoiled with games like *Monkey Island*, but where did graphical adventures come from? **Andy Nuttall** digs into his dim and distant past to explain where it all began...

The Lost Treasures of Infocom

AMIGA FORMAT

112

NOVEMBER 1992

If you were to mention the words *Secret of Monkey Island*, *Hook and Lure of the Temptress* to the average games-player of today, they would know exactly what you were talking about: point-and-click graphical adventures. Such games have become immensely popular over the last couple of years, mainly due to the advent of machines such as the Amiga with its superb graphics and large memory.

How many, I wonder, know about the history of these fabulous games? Mention the words *Planetfall*, *Enchanter* and *Zork* today and you're likely to get a blank look in return. Well, here's a potted history...

Advent-ure

In the mid-70s, when computers were still relatively new and they took up the space of several rooms, the world's first computer adventure was born. Called, strangely enough, *Advent*, it was similar in style to a novel because it was conveyed only by text. Players would enter commands using only two words, for example, 'Go North', 'Take Sword', 'Hit goblin', so the game was severely limited.

In 1977, though, two computer scientists at Massachusetts Institute of Technology (MIT) got together and created their own masterpiece. Again using text only, the game was much larger and employed an excellent interpreter, or 'parser', which enabled whole sentences to be entered and recognised. They called their system 'Interactive Fiction'.

With the advent of home computers, the programmers, Marc Blank and Dave Lebling, began writing Interactive Fiction full-time, and founded Infocom. Because their games were so large, they required lots of memory which just wasn't available on home computers. Thus the games were written for disk-only systems, which gave them the capacity they needed.

Computers with memories as large as the Amiga's, though, could run entire Infocom games, and as such the new machines gave the company a chance to expand their games and employ a new upgraded parser, called Interactive Fiction Plus. The first two games which were released using this system were *A Mind Forever Voyaging* and *Trinity* - both were acclaimed.

However, with the new machines came superb graphics capabilities, and companies such as Rainbird began producing adventure games with stunning

images. As such, the public's attention was moved from text-only type games over to the new breed. Infocom, however, continued to produce text-only adventures, and although their many fans continued to buy them the general public turned away. In 1988, the company was bought out by Activision, and soon afterwards closed down.

Anyway, all is not lost because Activision have resurrected all the games, and released 20 of them in this one neat package. We have taken a look at all the adventures, given them each an individual rating, and then rated the package as a whole at the end.

The Zork Trilogy

Originally written on a mainframe, *Zork* was split into three different games to run on home computers. It could be described as a role-playing game crossed with a novel, and it takes place mostly underground. You play a treasure seeker who must visit the ruins of the Great Underground Empire in search of vast wealth. Various fantasy characters try to block your way, but the most impressive is the Grue, an indescribable beast who only attacks when your lantern gives out...

Zork 1 is pretty easy to complete, whereas 2 and 3 take a bit more practice. The Underground Empire is a large place, and there are many characters to meet and objects to pick up and use. I haven't played these games for years, but it's surprising how many good memories they bring back. A little dated perhaps, but you can't really call yourself an adventure gamer until you've played *Zork*.

(Verdict) 75%

Planetfall

A light-hearted game describing the adventures of a lower-class space cadet shipwrecked on what seems to be a deserted planet. Teaming up with a lonely but annoying robot called Floyd, you have to explore the planet and discover its dark secret. A great game, not too difficult for hardened adventurers, although it does help to think laterally sometimes.

(Verdict) 75%



HARD DISK
INSTALLABLE



Stationfall

Continuing on from *Planetfall*, this game sets you as a pen-pushing administrator aboard the largest ship in the starfleet. You're given an assignment to take a spacetruck and pick up some forms from a nearby space station. Normal request? Nah, this is Infocom! A large game, and very difficult. Prepare to spend literally weeks stuck on the spacestation tearing your hair out!

(Verdict) 85%

Moonmist

A ghost story set in an old castle deep in Cornwall. You play an American detective who has been asked by an old friend to investigate mysterious goings-on in the area. Lots of interesting characters, with many puzzles and riddles, and an eerie sense of foreboding which builds up further into the game.

(Verdict) 85%

Enchanter

A fantasy adventure which casts you as a young wizard who is chosen to rid his people's land of an evil presence. You have great power, but limited experience; this is the ultimate test. A great game which doesn't show its age. The easiest of the *Enchanter* games, but still fairly difficult!

(Verdict) 75%

Sorcerer

In this the second installment of the *Enchanter* saga, Belboz, your teacher and leader of the Guild of Enchanters, is troubled by evil spirits. He then vanishes, and it is up to you to discover why. Another game which I found difficult, but then it is advanced level so I suppose it's to be expected.

(Verdict) 74%



Ballyhoo

Hanging around after the circus has finished its show, you hope to catch a glimpse of some behind-the-scenes performances. Instead, you are drawn into a dangerous situation when the circus owner's daughter is kidnapped, and you try to find her.

One of my favourites, *Ballyhoo* has a quite excellent plot which is highly realistic and charged with atmosphere.

AMIGA GOLD VERDICT 90%

Infidel

The Egyptian desert beckons you to come in search of one of its lost pyramids. You must pit your wits against the Ancient Egyptians to find the pyramid and enter it, and discover treasures beyond your wildest dreams. An excellent story which is both exciting and compelling, with a good atmosphere to boot.

Verdict 77%

Suspended

A definite Krypton Factor feel pervades as you play this game, in which you are all alone on a semi-automated planet. Your computer has woken you from cryogenic suspension because only you can save the planet from destruction. You cannot move, but you can communicate with a series of six robots, each with a specific ability such as sight and hearing.

This is an adventure for people who enjoy solving puzzles and relish a challenge. For normal adventurers, however, the method of controlling six robots simultaneously may become too much to handle. When you play, have several notebooks, a few pens and some cans of Coke to hand at all times.

Verdict 75%

Deadline

The first of three thriller adventures, in which you play a detective given 12 hours to investigate the death of a wealthy man. The authorities say that he committed suicide, but you think differently. You should keep a record of all the events in this game, as it's pretty deep. A nice touch is that many different endings are available depending on which decisions you make in the game, so each time you play the ending could be different. Great for Whodunit? fans.

Verdict 73%

Witness

Another Whodunit type of story; this time a man is killed, and it falls to you to gather evidence to present at the defendant's trial. Once again, several endings are available depending on what you do in your investigation. It's not that a hard game to get into, but cracking the case could be tricky.

Verdict 75%

Suspect

Slight twist to the story here, as you can probably imagine from the title. You are framed for a murder you did not commit, and you only have a short time to prove your innocence.

Not only that, but you must also discover proof of who did do it. An interesting angle on the usual detective story, and it works well.

Verdict 76%

Zork Zero

A recent game which is a prequel to the original *Zork* trilogy. *Zork Zero* is set in the days when the Great Underground Empire was still thriving, and the Flatheads ruled the land. A curse threatens to bring down the Empire, and the chief Flathead offers a large reward to anyone who gets rid of it. Naturally, you attempt to oblige...

This game was Infocom's first attempt to keep up with technology and include some graphics - no pictures, a compass instead. Fortunately the text is up to the usual standard, and there are hints and maps thrown in on-line to spice it up.

Verdict 77%

Beyond Zork

An update on the original *Zork* story, this casts you as a peasant who must seek out the fabled treasure known as the Coconut of Quendor. The usual *Zork* rules apply generally, but here you can actually alter the attributes of your player before you begin, in a sort of RPG style. Unlike other Infocom games, *Beyond* displays a map which shows your immediate area.

Verdict 85%

Lurking Horror

A student at Great Underground Empire Tech, you have gone into college to finish an assignment. A snowstorm prevents you from leaving the building, and you are trapped in the school overnight. But are you alone? Well, the title would suggest not, and opening that trapdoor in the basement just might prove it...

This is an excellent, atmospheric game that will have you looking over your shoulder. There's an weird storyline and a comic-book feel.

Verdict 82%

The package as a whole

Before you rush out and buy the package, take a while to consider just what these games are about. There are no graphics, and so comparing them with recent graphical adventures is difficult. Some of these games stand up well even when compared to the fabulous *Monkey Island 2*; in the sense of comparing a good book to a good video.

If you're the type of person who prefers reading a novel to watching a film, and you have the next couple of years free, then buy this. It's not just a pack of games, it's a piece of history.

The Lost Treasures of Infocom Infocom ■ £39.99

- Comparing to *Monkey Island 2* is like comparing a good book with a video.
- Some games are dated, but most still grab you by the throat and pull you in.
- Large games which are generally packed with atmosphere and humour.
- Each game will take a long time to complete, and there are 20 of them!
- Youngsters could well get bored because of the lack of graphics.

AMIGA GOLD VERDICT

90%

The Hitchhiker's Guide To The Galaxy

DON'T PANIC! For those of you who've never read the *Hitchhiker's* trilogy, get out of your closet and do so! It's widely acclaimed as a classic tale, where an ordinary bloke is rescued from Earth seconds before it is destroyed to make way for an interstellar by-pass.

If you have read the book, and you're still relatively sane, then rest assured that the game does not follow the books in great detail - but it was co-written by Douglas Adams, so the humour level remains the same.

AMIGA GOLD VERDICT 91%

Spellbreaker

Now that you have taken over from Belboz as the sparkly new leader of the Guild of Enchanters, a crisis situation occurs in your land which causes magic to fail. A conflict between good and evil ensues...

You really should try to tackle the other two games in this excellent trilogy first, because this is by far and away the most difficult of game that Infocom have ever produced. Hardened adventurers and fantasy heads will love it.

Verdict 85%

Starcross

In your job as the pilot of a mining ship, scouring the asteroid belt for black holes to harness, you are more than used to living a fairly tedious, mundane and humdrum existence - until, that is, you meet up with a large alien spacecraft from another galaxy...

Starcross is a game with a similar feel to *Planetfall*, except for one thing: it is much, much more difficult. It's easy to start with, but gets more and more involved as the plot unfolds.

Verdict 74%

Award winning innovative products from



Scanners

"If your in the market for a hand scanner then forget the rest and get Powerscan"

Amiga Format July 1992

Power Scanner v2.0



- 100-400 DPI scanning resolutions
- 64 greyscales
- Thru'port for printer
- Award winning editing, image manipulation & scanning software

Power Scanner v2.0£99

Power Scanner Colour£239

Epson GT-6000



- 600 DPI Colour flatbed scanner
- 24-bit colour
- A4 reading area
- Software included

Epson GT-6000£999

Epson GT-8000

- 800 DPI colour flatbed scanner
- 24-bit colour
- A4 reading area
- Software included
- Amazing scan quality

Epson GT-8000£1199

Upgrade Offer

If you consider your scanner system to be inferior to the Power Scanner, we will happily upgrade your software and interface. (Power Scanner is compatible with most scanning heads)

Upgrade£49.95

The Amiga can only display 16 greyscales

Floppy Drives

"This drive contains more gadgets than Batman's utility belt"

Amiga Computing Feb 1992

PC880B Power Drive



- Award winning drive manufactured by Power Computing
- Super slim design
- Anti-click (Cures that annoying click)
- Virus blocker (Prevents viruses)
- Built-in backup hardware

PC880B with Blitz Amiga£65

PC880B with Blitz & XCopy£90

PC880B (Cyclone compatible)*£70

PC880B in black case£65

*This drive is only available to registered owners of XCopy Professional. You must provide proof of purchase of XCopy Professional

Power Drives

PC880E Economy drive£49.95

PC881 A500 Internal drive£40.00

PC882 A2000 Internal drive£45.00

Dual Drive

- Two high quality disk drives built into one compact unit
- Same features as PC880B

Dual drive£125

Drive Accessories

A500 Internal anti-click board£9.95

Maxell multi-colour disks (10)£9.95

Floppy disks bulk supplied£POA

Blitz Amiga

- Backup disks at lightning speeds
- Stops all external drives from clicking
- Contains anti-virus from being written into the bootblocker

Blitz Amiga£20

RAM Expansion

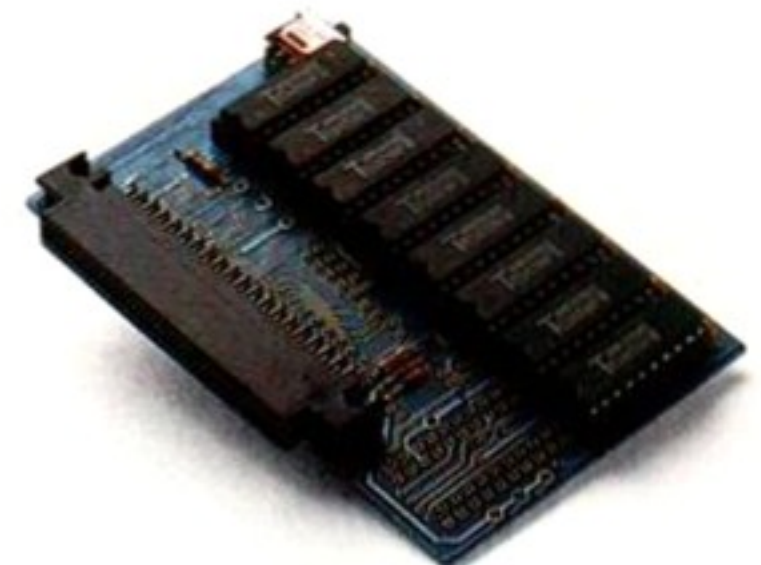
Blizzard Turbo

- A500/A500+
- Expand up to 8MB (0K installed)
- Memory and 68000 CPU run at 14.28MHz
- Fast 68000 processor installed on-board
- Fully auto-configuring
- Optical 512K shadow RAM on extra memory bank for shadowing the operating system out of ROM or from disk

Blizzard Turbo£169

RAMs continued

A600 Memory Cards



1MB RAM with clock£49.95

1MB RAM without clock£45.00

PC501+ RAM Card

Our RAM board is designed especially for the A500+ computer and comes with 1MB of RAM on board to expand your memory to 2MB of chip RAM. Plug-in and go operation (Fits into the trapdoor)

PC501+ RAM card£39.95

8MB for any A500

- Plugs into side slot, fully auto config, full thru'port. Expand 2MB-8MB

2MB £109 4MB £169 8MB £289

1 x 4ZIP chips£14.95

2MB for any A500

- Economy 2MB RAM externally cased
- 16-chip (1 x 1 DIP)
- No thru'port

2MB RAM£79

1.5MB RAM Board

- Fully supports 1MB of chip RAM
- Fully compatible with Fatter Agnus (Kickstart 1.3 and above, not compatible with A500+) (Your Amiga needs to be opened, this may effect your warranty)

1.5MB RAM board£75

1MB with Thru'port

- Expand your A500's memory up to a total of 2MB without disposing of your existing 512K upgrade
- Works with 1MB of Chip RAM

(512K RAM must be 4 chip type or not exceeding 9cm in length) (Your Amiga needs to be opened, this may effect your Warranty)

1MB with thru'port£45

A500 RAM Card

- 512K RAM expansion with clock & free software (A500+ compatible)

512K RAM (4 chip)£29

512KRAM without clock£24

512K RAM (16 chip) with clock£24

512KRAM (16 chip) without clock£19



Award Winning Manufacturers

Power products come with full technical support

"The Power Mouse is my pick of the month" **CU Amiga**

PC880B "Well worth spending your hard earned pennies on, an excellent buy" **Amiga Computing**

Dual Drive "Now this is a bit special" **Amiga Computing**

Power Scanner **Amiga Shopper Best Buy**

Power Scanner **Amiga Format Gold**

"Power Scan is quite simply the best Amiga hand scanner available" **Amiga Format**

Credit Card Hotline
0234 843388
10 LINES

Fax **0234 840234**
Technical **0234 841882**

VAT included
Delivery included
Next day delivery **£4.50**
(UK mainland only)

Power Computing Ltd
Unit 8 Railton Road
Woburn Road Ind. Estate
Kempston Bedford
MK42 7PN



Established 1985

Specifications & prices subject to change with out notice
All trademarks acknowledged

Auto ROM Sharer



- Kick-off is the latest Amiga add-on from Power
 - One of the most advanced kickstart ROM sharers available
 - A clever design on a small reliable board
 - Fits A500, A500+, A1500
 - Kickstart ROM can be selected from the keyboard
 - No messing about with switches
 - No "CIA adaptor" or other trailing wires
 - Jumper to select which ROM boots on switches
 - Compatible with old Amiga board revisions
 - Simple internal fitting*
- * Kick-off requires the lid to be removed from the Amiga. This may invalidate your warranty.

ROM Share	£17.95
ROM Share inc. kickstart v2.04	£55
ROM Share inc. kickstart v1.3	£39
ROM Share for A600	£29

Kickstart v2.04

2.04 Kickstart (chip only)	£39.95
2.04 Kickstart ROM, workbench software, install disk 2.04, font disk & extras	£99.95
2.04 kit with ROM sharer	£115.00

Joysticks

- Made by Quickshot
- High quality construction
- Ergonomic Bio-grips
- Turbo-fire capability

Aviator 1

- Aircraft control yoke
- 4 fire buttons
- Turbo fire
- Altitude / level indicator
- The ultimate joystick
- Player 1/2 selector

Aviator 1	£35.00
-----------------	---------------

Intruder 1

- Dual speed turbo fire
- Omnidirectional grip
- Eject button for fire button cover

Intruder 1	£29.99
Maverick 1	£15.99
Python 1	£9.99
Apache 1	£7.99

A500 Hard Drives

GVP A530 Turbo HD



- 40MHz 68030EC accelerator
- Optional 68882 maths co-processor
- Up to 8MB 32-bit FASTRAM on-board
- Award winning

52MB HD 0MB RAM	£714
105MB HD 0MB RAM	£854
240MB HD 0MB RAM	£1054
68882 Upgrade kit	£224

GVP Series 2 HD

- Up to 8MB FASTRAM on board

52QMB 0MB	£339	105QMB 0MB	£469
52QMB 2MB	£389	105QMB 2MB	£519
52QMB 4MB	£440	105QMB 4MB	£569
52QMB 8MB	£519	105QMB 8MB	£709

ICD Novia Internal HD

- Fits inside your Amiga 500
- Comes complete, just plug-in and go

Novia 60I 60MB HD	£359
Novia 85I 85MB HD	£459

ICD Flicker Fixer

Flicker Free Video 2

- Stop that annoying flicker
- Fits internally in the A500
- Multi-sync monitor required

Flicker Free Video 2	£199
NEC 4FG Multi-sync monitor	£549

Chips

4MB x 8SIMM	£90
1MB x 8SIMM	£25
256K x 4DRAM	£4.00
1MB x 1DRAM	£3.95
1 x 4 ZIP	£14.95
1 x 4 DIP	£19.95
A3000 Static column RAM	£19.95
SIMM 32 x 1MB-60	£65
SIM 32 x 4MB-60	£243

(These chips cover most memory & hard drives i.e. GVP, Supra, Commodore)

Commodore A600

- The new compact Amiga 600
- Built-in TV modulator
- Workbench & kickstart 2
- Enhanced chip set
- 1MB of RAM
- IDE Hard disk controller built-in
- Credit card size ROM & RAM slot

A600 with 2MB	£339
A600 with 20MB inc. 2MB	£499
A600 with 40MB inc. 2MB	£539
A600 with 80MB inc. 2MB	£639

See memory section for latest A600 RAM cards

A600 Internal HD

IBM 40MB Internal HD	£299
IBM 80MB Internal HD	£399

Commodore CDTV



- CDTV player
- Welcome disk + caddy
- Keyboard
- Floppy disk drive (black)
- Wired mouse
- Workbench 1.3 and manuals
- Infrared remote control

CDTV multi-media pack	£599
-----------------------------	-------------

CDTV Software

A Bun for Barney.....	£29.99
Barney Bear goes camping	£29.99
Battlechess	£39.99
Case of the Cautious Condor	£34.99
CD Remix v2	£34.99
Fred Fish CDPD Collection	£19.95
Fun School 3 (under 5's)	£24.99
Fun School (5-7yrs)	£24.99
Fun School (Over 7yrs)	£24.99
Guinness CDTV Disc of Records	£34.99
Illustrated Holy Bible	£29.99
Music Maker	£34.99
NASA Heroic Age of Space	£19.99
Power Pinball	£29.99
Sim City	£29.99
Trivial Pursuit	£49.99
World Vista Atlas	£54.99
Xenon 2 Megablast	£29.99

More titles available

STEP FORWARD

into the world of **MUSIC**

microdeal

SAMPLERS & SEQUENCERS EXPLAINED

SAMPLE: A sound that has been loaded into a computer and is represented by numbers (digital) rather than noises (analogue).

SAMPLER: Usually a small cartridge that allows you to take sounds from a microphone (with amplification), tape, CD etc and record (digitize) them into your computers memory. Once in the memory a sample (sound) can be changed using the sampling software.

SAMPLING SOFTWARE: Allows you to alter sounds that have been digitized by the SAMPLER. Normal functions with sampling software include loading and saving a sample disk, altering the sample by cutting, speeding up/down, fading in/out, joining to other samples and much much more.

SEQUENCER: Allows you to take samples and play them back in an order (sequence) that you determine. For example if you sampled a piano note, a sequencer would allow you to play that note back at different pitches and in a sequence you decide. Your one note loaded into a sequencer can become a complete piece of piano music.

MIDI INTERFACE: A small cartridge which plugs into your Amiga and allows a Midi instrument (usually a Keyboard) to communicate with the computer. If you already have a keyboard then you need to check that it has a Midi Port on it for it to work with a computer.



Our top of the range sampler for the Amiga. Following in the footsteps of one of the best sound samplers ever produced comes the innovative AMAS 2. With even more features than the original Amas which was featured in the Paula Abdul music video 'Cold Hearted' this package is high in professionalism but low in price.

AMAS 2's features include software adjustable input volume controls, 3D display of sample frequencies, stereo oscilloscope, stereo spectrum analysers, 11 customisable special effects, full midi support with keyboard mapping, built-in midi interface with in/out/thru ports, microphone input port, Mono or Stereo editing with full suite of edit controls, plus much much more



SAMPLER WITH BUILT IN MIDI INTERFACE, SAMPLING SOFTWARE & MANUAL £99.95

QUARTET

This sophisticated sequencer allows you to take samples and sequence them into music. Imagine your samples as a band with QUARTET as the conductor, your band is composed of 16 instruments of which 4 can play at any one time.

QUARTET comes with 100 instruments and sounds for inclusion in your own compositions and further sounds can be added using AMAS 2 and STEREO MASTER or most other quality samplers. Music can be input from the Amigas' keyboard by mouse or if you have a synthesiser keyboard with a midi out socket by playing on the keyboard. Control of samples include Tempo, Volume, Pitch together with a built-in editor for changing samples without exiting QUARTET. Who knows you could easily be tomorrow's "Adamski" or "Mozart" with this highly acclaimed package.



stereo MASTER

Our new stereo sampler is low in price but high in features. The new style mini cartridge plugs into the printer port on the rear of your Amiga and even includes a lead with a mini jack for immediate connection to your walkman or headphone socket on your amplifier. Once connected you can load stereo sounds, edit them, analyse them, and even change real time sounds by adding special effects to the output such as echo, pitch up, pitch down and more. We even include a mini-sequencer so you can take up to 18 samples and sequence them into a piece of music!



NEW

PRO MIDI INTERFACE

Our new stylish wedge style midi interface incorporates 1 X Midi In, 1 X Midi Thru and 2 X Midi Out ports. This interface is a true MIDI interface, not a cut down version, which plugs directly into the serial port on the Amiga. Included with our interface comes a comprehensive manual and a disk full of public domain Midi programs.



ORDER DIRECT FROM MICRODEAL AND GET 2 X 3 METRE MIDI CABLES FREE. MIDI INTERFACE, MANUAL, SOFTWARE AND 2 MIDI CABLES £24.95

WORLD OF MUSIC ORDER FORM

PLEASE SEND ME	QTY	PRICE EACH	TOTAL
AMAS 2		£99.95	
QUARTET		£49.95	
STEREO MASTER		£39.95	
PRO MIDI INTERFACE		£24.95	
POST & PACKING		£1.00	

GRAND TOTAL ENCLOSED



TO ORDER: Simply phone 0726 68020 with your credit card number or fill out this coupon and send together with your cheque /postal order or credit card number to: **MICRODEAL LTD, PO BOX 68, ST AUSTELL, CORNWALL. PL25 4YB**

NAME:

ADDRESS:

.....POSTCODE.....

CREDIT CARD NO:

EXPIRY DATE:

...../...../199.....

Microdeal products are available from your local computer shop or direct from Microdeal. Already own a Microdeal Sampler and want to upgrade? Phone 0726 68020 for details.

Win loads and loads
and loads and loads
and loads...

Drooled at Zool?

That means a CD-player, a Mega-Super water pistol and of course much more. Not content with having released a small alien ninja on to the screens of Amigas everywhere, Gremlin wanted to give more, much, much more.

We started off with one competition prize but due to the Zool-like momentum built up in the process, we ended up with SIX.

What to do? Make six people reasonably happy? Or make one person incredibly, over-the-top amusedly ecstatic? The answer was clear... over-turn this 'caring Nineties' schmaltz for a moment, and satisfy the greediest Amiga-user of the month. But, like a government with finances, we changed our minds at the last moment and persuaded Gremlin to give 10 lucky readers a chance to win a copy of Zool itself. So that's 11 chances to win!

So, all we want you to do is to send in six correct answers, on the back of a sealed envelope or a postcard, to the six correct questions we will be asking lower down.

And what do you get to win?

Well, Gremlin have quite happily matched six of the Zool levels to six wunnerful prizes.

Sweet World

This gives you a year's supply of Chuppa Chup cult-lollies. ("I always buy them when I can find them! But I can never find them," comments Art-Ed Marcus deliciously.)

Music World

A Sony DiscMan. ("I always use one to listen to New Fast Automatic Dustbins or something like that," says Staffy Andy - Nutts - Nutall.)

Toy World

The Mega-Super water pistol ("Hold on! This is a stick up! Move and the strange water-hating infant gets it in the head!" is often the scream heard to come from Neil-Reviews-Jackson.)

Fruit World

A massive, bumper, basket of fruit. ("Useful protection against scurvy and for throwing at MPs," beams Ed Asst Clare.)

Tool World

A pract-tastic multi-tool kit, including a socket and spanner set. ("Mmmmm, just right for all my useful household tasks and stuff," Tim - Featureless - Smith rants.)

Carnival World

Two (that's 2 or II) free, gratis tickets to go to Alton Towers fun-palace and puke-inducement) centre any day you choose. (And Frank wouldn't wanna be anywhere else than having a chunder on a white-knuckle ride.)

And now for the hard bit...
no matter how greedy you are,
you still have to get all six right

- 1) What were Snickers previously known as?
- 2) What is the size of a standard Compact Disc (diameter that is)?
- 3) Where is Legoland?
- 4) Where do the words 'Korova' and 'Droog' come from?
- 5) What tool do you need to turn off the waterfall in Monkey Island?
- 6) What sport is Alton Bird associated with?



"Err, toolkit, cuddly toy, lollies, Discman, waterpistol, cuddly toy, fruit hamper, cuddly tool." Won't you do well!

Once you're happy that, by rights, you should be the winner, you should send your answers to:

A bucket of fruit and a ninja,
Amiga Format, 30 Monmouth St,
Bath, Avon BA1 2BW
Entries to be in by 13 November

The rules

- 1) Employees and relatives of employees and relative employees of Future Publishing, Gremlin and Bristol City FC (because they're higher in the league than Rovers) are not allowed to enter.
- 2) The editor's decision is final (I think) and no phone calls or letters, faxes, telexes, telegrams, personal calls, or other forms of communication will be entered into regarding this comp.
- 3) Get on with it..





CUSTOMER CHARTER

INDI Direct Mail is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will still be there in the future, should you need them.

A mail order purchase from INDI is a safe and secure decision, and here's why.

INDI is a wholly owned subsidiary of a public company now in its tenth year of trading and specialising in the supply of computer products.

With a turnover approaching £30 million per annum, we have the resources and the purchasing power to offer you the best deals, deliver them next day nationwide and always be around when you need us.

SALES AND SUPPORT

The INDI sales team have been trained to take your order with the utmost care and efficiency. All stock offered for sale is held in stock, centrally at our group warehouse complex and is available for next day delivery, direct to your home or business. If at any time we are out of stock your money will not be banked until the product is available (a point worth checking should you feel tempted to purchase elsewhere).

General information regarding product is available from our sales team, however technical support is always on hand should you need assistance.

All prices quoted are inclusive of VAT.

INDI TELESales

Tel 0606 43860 Fax 0606 43825

DESPATCH

All orders received by 6pm Monday to Friday are despatched that day for next day delivery using our national carrier — Securicor. (UK Mainland only). Saturday deliveries are available at a small surcharge. If you are out when we deliver a card will be left at your home giving you a contact telephone number to arrange a convenient re-delivery.

Delivery queries can be resolved immediately using our on-line computer.

All orders are despatched on a next working day delivery basis. Cheque orders are despatched immediately on cheque clearance, usually 10 working days from receipt. A delivery charge of £5.00 is made per item unless otherwise stated.

AMIGA A600 THE WILD, THE WEIRD AND THE WICKED PACK

12 MONTHS AT HOME SERVICE



Once again Commodore have put together a winning theme pack to complement the already popular Amiga A600. The Wild, the Weird and the Wicked Pack is an ideal starter pack containing a considered mix of software making the most of the Amiga's amazing capabilities. To make this pack a perfect gift INDI have added a further four award winning games and a staggering list of valuable extras totally FREE of charge. Also included at no extra cost to you are the latest 'Zapsac' carry case and Zappo T-shirt. Crucial Amiga accessories. Impressed. Who wouldn't be.

- Amiga A600 single drive
- Built in TV Modulator
- 1Mb memory
- Push Over Silly Putty
- Grand Prix Deluxe Paint III
- Mouse and Manuals

INDI VALUE ADDED FREE

- Micro Switch Joystick £9.99
- Lockable Disk Box £9.99
- Disk Wallet £12.99
- 10 Blank Disks £5.99
- Kick off 2 Pipemania
- Space Ace Populous £122.59
- Zapsac Carry Case £12.99
- Zappo T-shirt £8.99

TOTAL £183.46

INDI PRICE

£339.99

AMIGA A600 HD (HARD DISK) EPIC PACK

12 MONTHS AT HOME SERVICE



EPIC by name... definitely by content. Commodore's talent for pack creation has never been better. The software included in this pack: EPIC, Rome, and Myth totally exploit the stunning features of the Amiga A600. Add to this Trivial Pursuits language lab edition (playable in 3 languages), Amiga Text (Wordpro) and the now standard graphics package: Deluxe Paint III for serious/educational applications and you'll start to realise just how dynamic this pack is. As with all products supplied by INDI, we have added our extra dimension to an already incredible offer (see below for INDI Value Added Pack totally free of charge)

- Amiga A600HD (Hard Disk)
- Built in TV Modulator
- Mouse and Manuals 1Mb Memory
- EPIC, Rome, Myth, Trivial Pursuits (language lab edition), Amiga Text, Deluxe Paint III.

INDI VALUE ADDED FREE

- Microswitched Joystick £9.99
- Lockable Disk Box £9.99
- Disk Wallet £12.99
- 10 Blank Disks £5.99
- Kickoff 2 Pipemania
- Space Ace Populous £122.59
- Zapsac Carry Case £12.99
- Zappo T-Shirt £8.99

TOTAL £183.46

INDI PRICE

£479.99

AMIGA 600

A600 Single Drive PACK INCLUDES

- D. Paint III
- Mystery Game
- Plus Kickoff 2
- Pipemania
- Space Ace
- Populus
- Zapsac Carry Case
- Zappo T-Shirt

INDI PRICE

£289.00

WHILE STOCKS LAST.

1084'S COLOUR/STEREO MONITOR



Commodore's own Amiga Monitor. Designed solely for use with the Amiga range of computers. With its ergonomic design, Hi-res graphics display and stereo sound capabilities, the 1084'S will really bring your Amiga to life.

Apart from offering this product at a very competitive price INDI are including two great software products totally free of charge

INDI VALUE ADDED FREE

- Days of Thunder (Driving Simulation) £19.99
- Night Breed (or alternative exciting game) £19.99

INDI PRICE

£189.99



AMIGA CDTV

THE MULTIMEDIA COMPUTER

TOTAL HOME ENTERTAINMENT SYSTEM

MONITOR NOT INCLUDED

COMMODORE AMIGA CDTV
THE MULTIMEDIA COMPUTER



FREE!



MULTI MEDIA
Lemmings CDTV
£34.99



AMIGA
Pipemania • Populous
Kickoff 2 • Space Ace
£122.52



AUDIO
Blues Brothers
(CD Audio) £12.99

The problem with any new product is that it always takes time for everyone to realise its full potential. CDTV is no exception and in our opinion everything we have read does a pretty poor job of explaining just what CDTV can do and why it is so exciting.

THE INDI GUIDE TO CDTV

IT'S A CD PLAYER —Yes, it will play all your Primal Scream, Pavarotti, Pink Floyd and any other CD you care to mention in superb high quality stereo, with remote infra red control.

IT'S AN AMIGA —Plug in the keyboard, switch on the external disk drive and the colossal range of inexpensive Amiga software can be used on your CDTV.

IT'S A MULTIMEDIA SYSTEM —Just imagine, stereo sound, images and text all on screen. It asks a question, you respond, it responds — truly interactive! Each CD disc holds hundreds of megabytes of data with instant optical access. The whole of Hutchinson's Encyclopedia fits onto 1 disc. This interactive system is a unique aid for Education, Business or Leisure. The future is here!

PACK CONTENTS AS STANDARD

- Amiga CDTV Player
- CDTV keyboard
- CDTV 1411 3.5" Disc Drive
- CDTV Infra red remote controller
- CDTV wired mouse
- CDTV Welcome Disc

- Manuals
- Fred Fish CDTV
- INDI VALUE ADDED**
- Lemmings CDTV (£34.99)
- Blues Brothers (£12.99)
- Pipemania, Populous, Kickoff 2, Space Ace (£122.52)



CDTV CONNECTS DIRECTLY TO YOUR TV SET

GOLDSTAR 14" REMOTE TV/MONITOR
FEATURED AVAILABLE SEPARATELY AT £179.99

INDI PRICE

£489.99

Books, magazines and television have long been a source of information. CDTV technology combines their qualities and makes seeking out that information easy. The CDTV comes complete with a Welcome Disk and Fred Fish PD Disc.

INDI are also adding the addictive Lemmings Game and Hutchinsons Encyclopedia totally free of charge.

PACK AS STANDARD

- Amiga CDTV Player
- Infra Red Remote Controller
- Welcome Disk
- Fred Fish PD Disc

INDI VALUE ADDED FREE

- Lemmings £34.99
- Hutchinsons Encyclopedia £49.99



INDI PRICE

£379.99

AMIGA CDTV

STARTER PACK



CDTV

SOFTWARE



If you already own a CDTV or are just about to purchase one you'll be pleased to know that INDI stock probably the largest and most comprehensive list of CDTV software in the country. Below is a list of top selling titles we are offering at very competitive prices. For more details please phone our sales team. (Prices include postage).

ENTERTAINMENT

Battle Chess	34.99
Classic Board Games	29.99
Defender of the Crown	24.99
Defender of the Crown II	29.99
European Space Simulator	29.99
Falcon	44.99
Power Pinball	24.99
Psycho Killer	24.99
Sim City	24.99
The Curse of Ra	24.99
Tie Breaker Tennis	24.99
Trivial Pursuit	45.99
Ultimate Basketball	24.99
Wrath of the Demon	24.99
Xenon 2: Megablast	24.99

EDUCATION

A Bun for Barney	24.99
Asterix Black Gold French I	31.99
Asterix Black Gold French II	31.99
Asterix Black Gold Spanish I	31.99
Asterix Black Gold Spanish II	31.99
ARTS & LEISURE	
Advanced Military Systems	24.99
Fruits, Vegetables & Herbs	31.99
Garden Plants	19.99
Women in Motion	14.99

REFERENCE

Complete works of Shakespeare	24.99
Guinness World of Records	31.99
Electronic Cook Book	34.99

MUSIC

Karaoke Hits I	14.99
Karaoke Hits II	14.99
Music Maker	31.99

**SAVE £££'s
on this offer**

AMIGA 1500

DEALS



EXCLUSIVE!

INDI PRICE

£1159.99



The A1500 is the ultimate home computer for the whole family and is designed to cover every computing requirement. INDI are able to offer you exclusive deals on this outstanding product in various configurations and bundles (see options on opposite page). All configurations come complete with the following software and accessories:-

FEATURES:

- Fully functional keyboard with numeric pad separate from CPU
- Includes 2 x 3 1/2" disk drives as standard with 5 1/4" Disk Bay.
- Integral memory and card expansion capabilities (most cost effective expansion route)
- Work bench 2.00 and Kickstart 2.04.

CONTENTS:

- Keyboard, mouse, reference manual, Puzznic, Toki, Elf (Games), D Paint III (Graphics Package), Home Accounts, The Works (Platinum edition: Wordpro, Spreadsheet, Database) Joystick

AMIGA 1500 FEATURED

- (see photograph above)
- 52 Mb SCSI Hard Disk
- 1084'S Monitor & Panasonic KX-P2123 24 pin colour printer.

INCLUDED FREE

Amiga Vision, Nightbreed, Days of Thunder, Wordworth Worth £268.99



Panasonic Quiet Colour Printing

We researched the colour printer market in great depth to find a colour printer good enough to cope with Amiga's powerful graphic output, yet at an affordable price.

We found the perfect printer in the Panasonic KX-P2180 + KX-P2123 quiet printers.

We then considered that if you were going to buy a Panasonic printer, you would probably need a quality word processing package to use with it. We found that too, in 'wordworth', yet at a retail price of £129.99 we thought that might be a little too expensive on top of your printer purchase! So together with Panasonic we decided to give a copy of 'wordworth' free with every Panasonic printer. How's that for added value?

PANASONIC KX-P2180

PANASONIC KX-P2123



The new Panasonic KX-P2180 9 pin quiet colour printer. Produces crisp clear text in mono or in 7 glorious colours with new quiet technology. The new KX-P2180 is typically 15dBA quieter in operation, than the competition.

- **Fast Printing Speeds** 192CPS Draft and 38 CPS NLQ
- **Colour Printing** 7 colour palette (blue, red, green, yellow, violet, magenta and black)
- **QuietPrinting** Super quiet 45-48dBA sound level (most matrix printers are typically in excess of 60dBA)
- **6 Resident Fonts** Over 6,100 type styles using Courier, Prestige, Bold PS, Roman, Script and Sans Serif Fonts
- **3 Paper Paths** Paper handling from bottom, top and rear for total flexibility
- **1 Year Warranty** For total peace of mind

INDI PRICE

£199.99

The new high performance Panasonic KX-P2123 24 pin. Quiet colour printer offers leading edge quiet printing technology at an affordable price.

- **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ and 32 CP SLQ.
- **Colour Printing** 7 colour palette (blue, red, green, yellow, violet, magenta and black)
- **QuietPrinting** Super quiet 43.5-46kBA sound level (most matrix printers are typically in excess of 60dBA)
- **7 Resident Fonts** Over 152,000 type styles using Super LQ, Courier Prestige, Bold PS, Roman, Script and Sans Serif Fonts
- **24 PIN Diamond Printhead** High performance and high quality output
- **1 Year Warranty** for total peace of mind.

INDI PRICE

£229.99

A1500

CONFIGURATIONS AND BUNDLES

AMIGA 1500 (Amiga Vision, Worth £99 FREE)	£499.99
AMIGA 1500 + 52 MB SCSI Hard Disc (inc. Amiga Vision worth £99 FREE)	£749.99
AMIGA 1500 + 1084'S MONITOR (inc. Amiga Vision, Days of Thunder, Nightbreed worth £138.99 FREE)	£699.99
AMIGA 1500 + 1084'S + PANASONIC KX P2123 PRINTER (inc. Amiga Vision, Night Breed, Days of Thunder, Wordworth worth £268.99 FREE)*	£929.99
AMIGA 1500 + 52 Mb SCSI Hard Disk + 1084'S MONITOR (Amiga Vision, Night Breed, Days of Thunder worth £138.99 FREE)	£929.99



AFTER SALES AND SPECIALIST SERVICE

All products are guaranteed for 12 months. Some products carry a 12 month at home service/repair guarantee (where indicated). In the unlikely event that any product purchased from INDI arrives at your home faulty, we will collect from your home and replace the product completely free of charge. If you own an AMIGA 1500 or 3000 and would like to expand its hard disk or memory capability or add any other peripheral INDI can offer you a complete door to door configuration service together with an additional 12 months Back to INDI warranty. Why not ask for a quote?

Products advertised represent a small sample of our instock range. A complete price list is available on request.

All products purchased come with a complete list of all products available from INDI with special customer loyalty offers.

INDI Prize Draw. Each month all customers purchasing during that month will be entered into a free prize draw. The winner will receive a full refund/or product to the value of original purchase.

* WORDSWORTH — COMPLETELY FREE!

WITH PANASONIC QUIET PRINTERS

The writers choice. The ultimate word processor for AMIGA computers.

Wordworth is undoubtedly the ultimate word/document processor for the full range of AMIGA computers.

The graphical nature of WORDSWORTH makes producing documents faster and easier, with the enhanced printing fonts (including full Panasonic KX P2180 and KX P2123 colour printing support), Collins spell checker and Thesaurus, no other word processor comes close.

"Without doubt this is one of the best document processors for the AMIGA, Today." (Amiga Format).

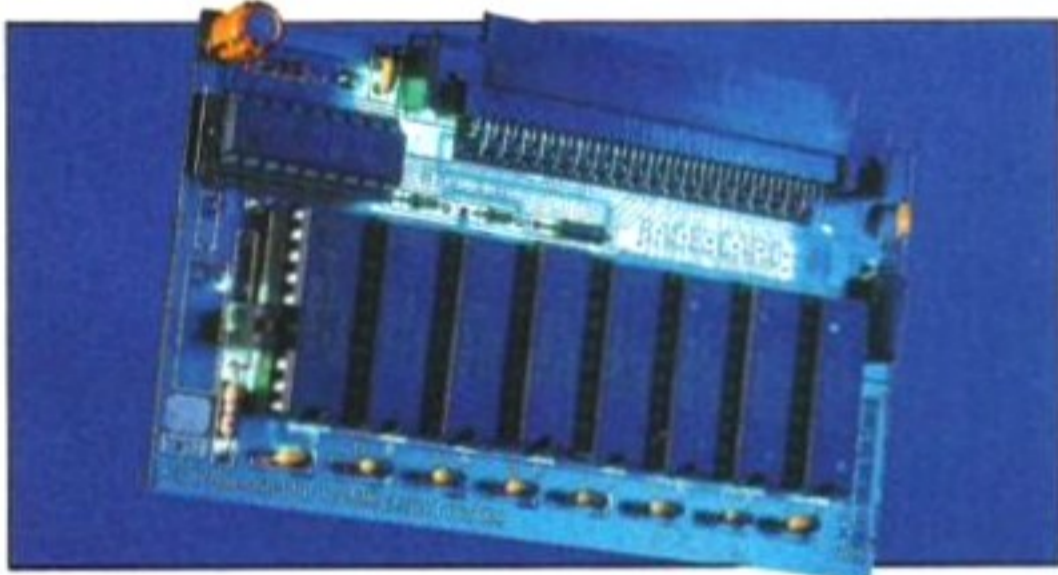
NORMAL RRP £129.99 inc. vat

EXCLUSIVE TO INDI



THE ZAPPO RANGE

It's crucial Amiga gear!



ZAPPO 601 RAM EXPANSION

This is an all new, high performance upgradable RAM expansion for the Amiga A600. Adding this superb product to your A600 will allow for serious applications use and high performance games play.

- FEATURES:**
- Enable/disable facility
 - Socketed design (user upgradable)
 - 12 months warranty

Optional with battery backed clock

OPTIONS: 512K no clock	£29.99
512K with clock	£39.99
1Mb no clock	£39.99
1Mb with clock	£44.99

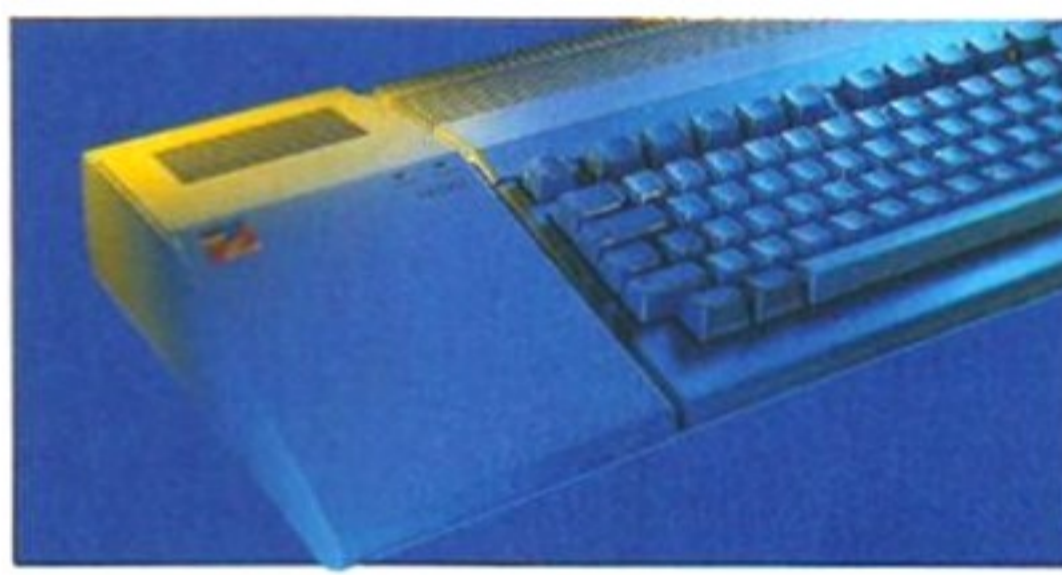


ZAPPO EXTERNAL 3.5" DRIVE

A high quality external 3.5" drive for use with A500/A500+ and A600.

- FEATURES:**
- Low profile, 880K formatting drive
 - Enable/disable switch
 - Daisy chain capability
 - 12 months warranty

only **£49.95**



ZAPPO EXTERNAL HARD DRIVE

At last a truly powerful, fast and capacious hard drive for A500/A500+ at an exceptional price. Upgradable to 8Mb of fast RAM, SCSI and IDE hard drive compatible.

- FEATURES:**
- Auto booting — upto 8Mb fast RAM
 - SCSI throughport for additional expansion
 - Mouse button game switch
 - 12 months warranty

OPTIONS:

• 40Mb Hard Drive	only £299.99
• 65Mb Hard Drive	only £349.99



ZAPSAC

Designed specifically for the Amiga A600 the Zapsac gives your Amiga portability and you credibility **£12.99** + £2.50 postage



ZAPPO T-SHIRT

If you own an Amiga you've already got respect. In a Zappo T-shirt you've got the Cred. **£8.99** + £1.50 postage

The only Amiga accessories you'll want to wear out.

HOW TO ORDER

BY POST — simply fill in the coupon below.

BY PHONE — ring 0606 43860 where your call will be answered by one of our INDI sales team. After 6.00pm each day your call will be answered by answerphone. If you would like to place an order have all details at hand including Credit Card. The message will guide you through your order.

SEND YOUR ORDER TO:
INDI DIRECT MAIL
FIRST FLOOR OFFICES,
85 WITTON STREET,
NORTHWICH
CHESHIRE CW9 5DW

AF1092

Please send
 Price + Delivery

I enclose cheque/PO for £.....
 or charge my Access/Visa No.

.....
 Expiry date /

Signature

Send to Name

Address

.....
 Postcode

★ **INDI TELESales** ★
TEL 0606 43860 • FAX 0606 43825

WeServe of Hampshire Established 7 years

High quality products. Full technical support.

High quality products. Full technical support.

Amiga Workstation /Expansion System
 Monitor stand with shelf for drives etc. Strong metal construction made from 14SWG steel epoxy coated Amiga colour.
 Special price **£27.50**

New Citizen

Swift 240 24pin Colour*

Advanced 24pin printer, lots of new features. Please phone for a data sheet *optional colour. Price with cable & paper

240 Mono **£259**
 240C Colour **£279**

Citizen 224 24pin Colour*

Enhanced 24pin printer, *optional colour with easy to use control panel 2 year warranty. Price with cable & paper

Mono **£199**
 Colour **£209**

Swift 24E

Enhanced 24pin. Colour printer with cable & paper

Mono **£229**
 Colour **£239**

Citizen 120D +
 with cable & paper **£109**

All Citizen printers have 2 year warranty

Citizen Swift 9

with cable Mono **£169**
 & paper Colour **£179**

Panasonic KXP1123

Probably the best 24pin mono printer available. With cable & paper

£179

Panasonic/Epson

KXP1170 9pin 134
 KXP1124i 24pin 227
 KXP2180 9pin Colour 189
 KXP2123 24pin Colour... 269
 Epson LX400 9pin 135
 Epson LQ570 24pin 265
 Prices include VAT cable & paper

Naksha Scanner

200 to 400dpi. 105mm width with express-IT software **£99**

Naksha Mouse

for Atari ST & Amiga with house & mat **£21.50**

Squik Mouse

for Atari ST & Amiga **£13.90**

New Price

Midi Interface

4 channel Midi Interface for Amiga

£19

Dr. T's Midi Music Software (not for A500+ or A600) **£4.95**

HP Deskjet Colour

300dpi colour inkjet printer. Colour laser quality at 1/10 of the cost. 3 year warranty. Price with cable & paper

£499

Deskjet 500

HP 300dpi Inkjet printer. Laser quality at dot matrix price. 3 year warranty. With cable & paper

£335

Printer Drivers

Citizen Colour 24pin 5.00
 Canon BJ-10e 4.95
 Deskjet 500 Colour 9.95

Printer Dust Covers

most types in stock from **£4.70** inc VAT

Canon BJ-10ex

360dpi Inkjet printer with cable & paper

£205

Star SJ-48

360dpi Inkjet printer with cable & paper

£205

Star LC200

with cable & paper

£179

Star

LC20 Mono 9pin 125
 LC200 Colour 9pin 179
 LC2420 Mono 24pin 189
 LC24200 Mono 24pin 209
 LC24200 Colour 24pin .. 259
 Prices include VAT cable & paper

Kickstart Upgrades

Commodore 2.04 full upgrade 79.00
 Kickstart ROM only v2.04 41.50
 Kickstart ROM only v1.3 29.00
 Phoenix rom sharer 24.95
 Keyb'd operated rom sharer 24.95
 VXL30 25MHz Accelerator ..239.00
 Fatter Angus custom chip 37.50

True Mouse

for Atari ST & Amiga **£15.90**

Happy Mouse

for Atari ST & Amiga **£14.90**

New Prices

GVP Series 2

for A500 Hard Disks

52Mb Hard Disc **£329**
 120Mb Hard Disc **£419**
 240Mb Hard Disc **£689**
 52Mb A530 Combo **£649**
 120Mb A530 Combo **£749**
 240Mb A530 Combo **£989**

for A1500

52Mb Hard Disk **£265**
 120Mb Hard Disk **£405**
 240Mb Hard Disk **£629**
 GVP ram **£25** per 1Mb

Bridgeboards

CBM A2286 286 for A1500 **£269**
 CBM A2088 XT for A1500 **£99**

Printer Packs

All printers are supplied with a printer pack consisting of printer paper and a connection cable. If required a printer stand is **£5.00** extra (with a printer)

Free of charge

Commodore 1084SD

Refurbished 14" Colour Monitor 1 full year warranty with cable

£159 While stocks last

Commodore 1084SD

14" Colour Monitor with cable dot pitch 0.42mm. Medium Res.

£179 While stocks last

£10.00 discount on 1084 or 8833 with an Amiga

Philips CM8833 MK2

Colour monitor with cable Colour monitor with no cable

£189 **£179**

UK. 240V mains + game

Accessories

Joystick/Mouse twin extension 4.70
 3M Joystick/Mouse lead 3.75
 A500 Printer cable 7.95
 Modulator/Disk Extension 10.95
 23way Plug or socket 2.95
 A500 Dust Cover 4.70
 Mouse Mat (thick soft type) .. 4.95
 Mouse House 2.95
 1M internal 3.5" drive 49.00
 A500 replacement PSU 39.00
 A590 replacement PSU 49.00
 Rocgen Plus - Genlock + .. 129.00
 Disc Wallet for 32 disks 7.95

Floppy Drives

Cumana CAX354

The most reliable drive you can buy 1M external

£49 While stocks last

New Price

Commodore

A1011 1M external

£48 While stocks last

Roctec RocLite RF382C

1M external drive **£59**

Ram Upgrades

A500 1Mram + clock **£21.90**
 A500 1Mram no clock **£17.90**
 A500+ 1Mram + clock **£39.90**
 A600 1Mram + clock **£49.90**

Amiga 1500 +

WB 2.04 with full software

£519

Amiga 600HD

20Mb internal Hard disk & software

£419

Amiga 600

Standard A600 with full software

£269

SONY DISKETTES

SONY branded (lifetime warranty)

(100% certified error free)

10x 3.5" DS/DD 135tpi 7.50
 50x 3.5" DS/DD 135tpi 32.30
 100x3.5" DS/DD 135tpi 59.93
 250x3.5" DS/DD 135tpi 141.00
 1kx 3.5" DS/DD 135tpi 540.50

DISKETTES

SONY / DYSAN bulk (lifetime warranty)

(100% certified error free)

10x 3.5" DS/DD 135tpi 5.95
 50x 3.5" DS/DD 135tpi 21.86
 100x3.5" DS/DD 135tpi 39.60
 250x3.5" DS/DD 135tpi 94.88
 1kx 3.5" DS/DD 135tpi 353.68
 40 x 3.5" Disk box with lock 5.49
 100 x 3.5" Disk box with lock .. 7.50
 Carriage on 50+ disks **£3.53**

Phone for our 60 page catalogue

EDUCATIONAL AND GOVERNMENT ORDERS WELCOME

All products have a 30 day money back & 12 month warranty. Prices are subject to variation without prior notification.

Established 7 years. 3 minutes from M27 Junction 11.

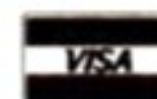
Free parking. Open 9 to 5.30 Monday to Friday & 9 to 5 Saturday

Postage 94p or **£3.53** Securicor **£6.46** (**£5.50** + VAT)

WeServe



Larger items delivered by Securicor



Amiga/Format Dept.
 40-42 West Street
 Portchester Hants
 PO16 9UW
 Tel: 0705 325354

NOV 92

Visit our Showrooms. See before you buy.

Visit our Showrooms. See before you buy.

WeServe

Best for service

WeServe

Best for service

Chart busters

Need a tip for one of the latest games? Well, look no further. There's a slightly athletic feel to the panel, at least for all you armchair sporting types!



Espana '92

Can't get your athlete fit for the games? Try the following tip: put your man to train for three hours, then move the date to the 18th. Put the training back down to one hour, and your athlete should be trained to 95 per cent fitness!



Carl Lewis Challenge

You can use either the mouse or the joystick for getting your athlete to run, but using them both at the same time will make him run like the wind! Get your mate to waggle the joystick at the same time as you are waggling the mouse, and then you're laughing!

Here are some more hints and tips...

Don't bother training all your athletes - pick the most promising with starting statistics of >50%. By improving SPEED and POWER, leaving AGILITY and STAMINA at average levels, an athlete should perform well in all events. Either create one all-purpose athlete, or special-ists for each event.

Best speed training is achieved by ACCELERATION, HOLLOW RUNNING and REPETITION RUNNING. Get these to F=70%, I=35% and T=35%. Leave all other stats at default levels.

Best power training is by ISOTONICS and ISOMETRICS. F=60%, I=30%, T=30%. Leave all other stats at default levels.

To train one athlete for all of the events, do three weeks SPEED and then two weeks POWER.

A general purpose gold medal contender should have the following final week stats: AGILITY=60%, SPEED=85%, POWER=75% and STAMINA=55%. (The default athletes in the arcade only game are set to 70, 70,70,70.)

But there's more...

OK, sports fans? Feeling fitter now? That should save you having to go to footie practice or circuit training this week (or month).

The tips don't stop there though. For all you Chartbusting types just turn to Page 124 for the full solution to the graphic adventure for those who just don't want to grow up: *Hook*. But before you get there have a look at Part 1 of the hints and maps to the massive, 25-level *Eye of the Beholder 2*, on Pages 122-3: it's the big one!

Game Busters

Are you stuck in a trap with no hope of survival? Up a certain creek without a certain implement? So who can you turn to luvvies? No, not Claire Rayner, but **Andy Nuttall** with this month's hints 'n' tips...

SO, YOU DON'T BELIEVE IN THE LITTLE PEOPLE?

Now here's a freaky puzzle game. *Gobliins* is obviously very popular because loads of you have sent in pleas for help, so just type in the following codes to warp between levels...



Doesn't this scarecrow look like that bloke off *On the Buses*. What was his name... Blakey! And that famous catchphrase of his: "I'll get you Butler". So, for all those who've ever wondered what happened to old Blakey, here he is in his new vocation. Hasn't changed much has he? Miserable old beggar.

- | | | |
|-----------------|------------------|------------------|
| 2 _____ VQVQFDE | 9 _____ ICVCGGT | 16 _____ TCVQRPM |
| 3 _____ ICIGCAA | 10 _____ LQPCUJV | 17 _____ IQDNKQO |
| 4 _____ BCPQPCC | 11 _____ HNWVGKB | 18 _____ KKKPURE |
| 5 _____ FTWKFEN | 12 _____ FTQKYLE | 19 _____ NGOGKSP |
| 6 _____ HQWTFPW | 13 _____ DCPLQMH | 20 _____ NNGWTTQ |
| 7 _____ DWNDGBW | 14 _____ EWDGPNL | 21 _____ LGWFGUS |
| 8 _____ JCJCJHM | 15 _____ TCNGTOV | 22 _____ TQNGFVC |

**The Cookie Monster(?)
Newcastle under Lyme**

SLITHERY FUN WITH STEG THE SLUG

Here are the codes for the 10 levels in this fun budget game...



"Honestly, these Comic Relief red noses don't last very long do they? I've only had mine for seven years and the colour's run out already."

- | | |
|--------------------|---------------------|
| 2 _____ RDNJHCCMGU | 7 _____ LECGLDTRHK |
| 3 _____ EDOUTIOCKO | 8 _____ NEDGFLDVRLL |
| 4 _____ HDPFUVLCCM | 9 _____ OEFVHAGHLV |
| 5 _____ ODQMFUVLIC | 10 _____ PEGTTHIGLD |
| 6 _____ MEBHETPIAG | |

**Chris Hughes
Harrogate**

Eye of the Beholder 2

We've had lots of maps and hints for this game in the last couple of months, but these are without a doubt the best. It's a huge game with 25 levels, so you'll find Part 1 here, with Part 2 next month.

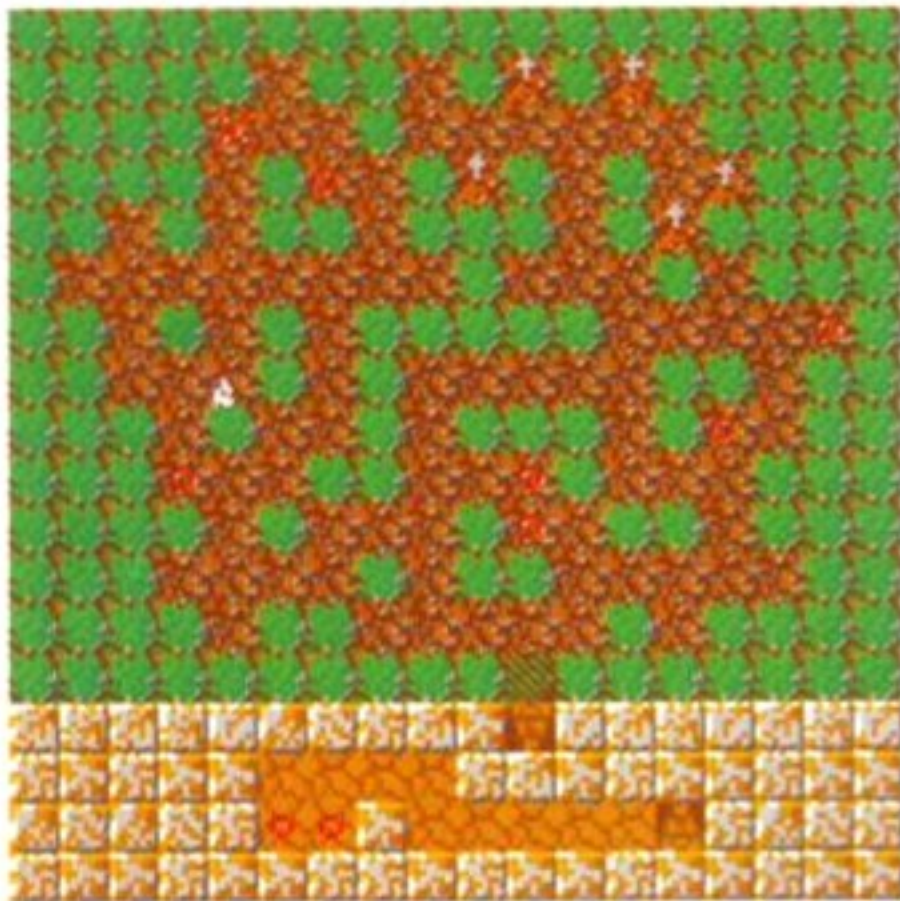
£50

Hints, maps and map graphics by Arvid Nilsson, Sweden

AMIGA FORMAT

NOVEMBER 1992

FOREST AREA



● The old woman in the forest is the bid who can lead you to the temple.

KEY

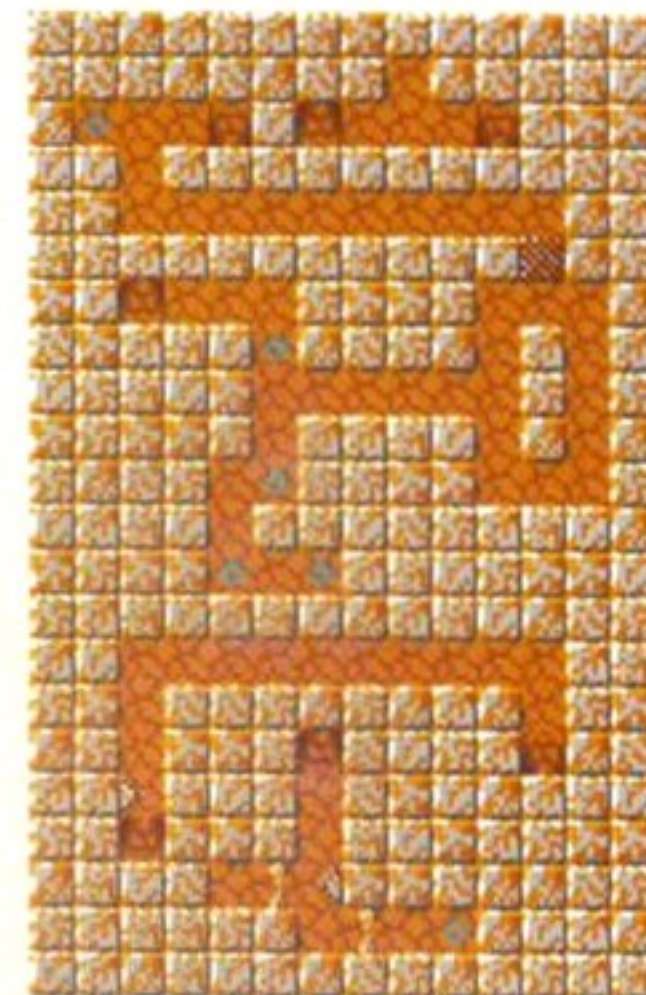
- | | |
|---------------|--------------------------------|
| ■ STAIRS UP | ■ WALK-THROUGH |
| ■ STAIRS DOWN | ■ ILLUSIONARY OR MOVEABLE WALL |
| ■ TREES | ■ GRAVE |
| ■ WALL | ○ OBJECT |
| ■ GROUND | ■ START |
| ■ FLOOR | |

CATACOMB LEVEL 1

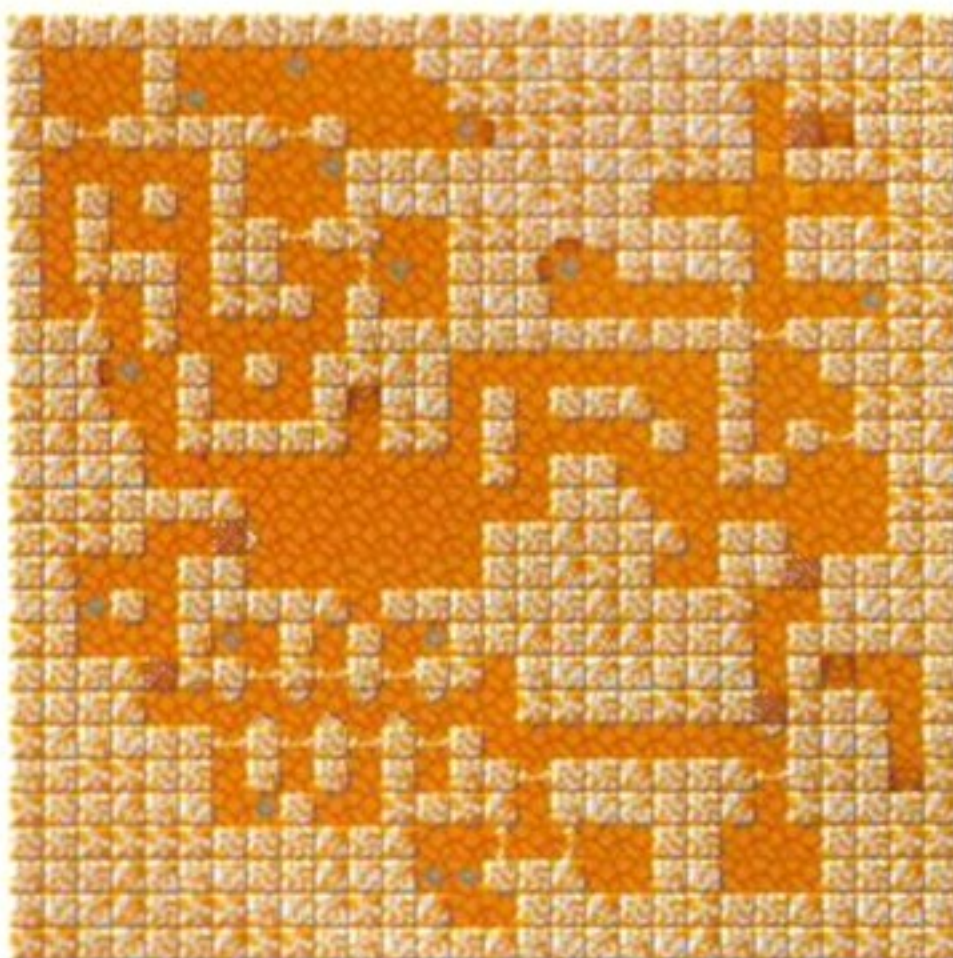


If you let Insal-the-Quick join your party, he will steal from you while you rest.

CATACOMB LEVEL 2

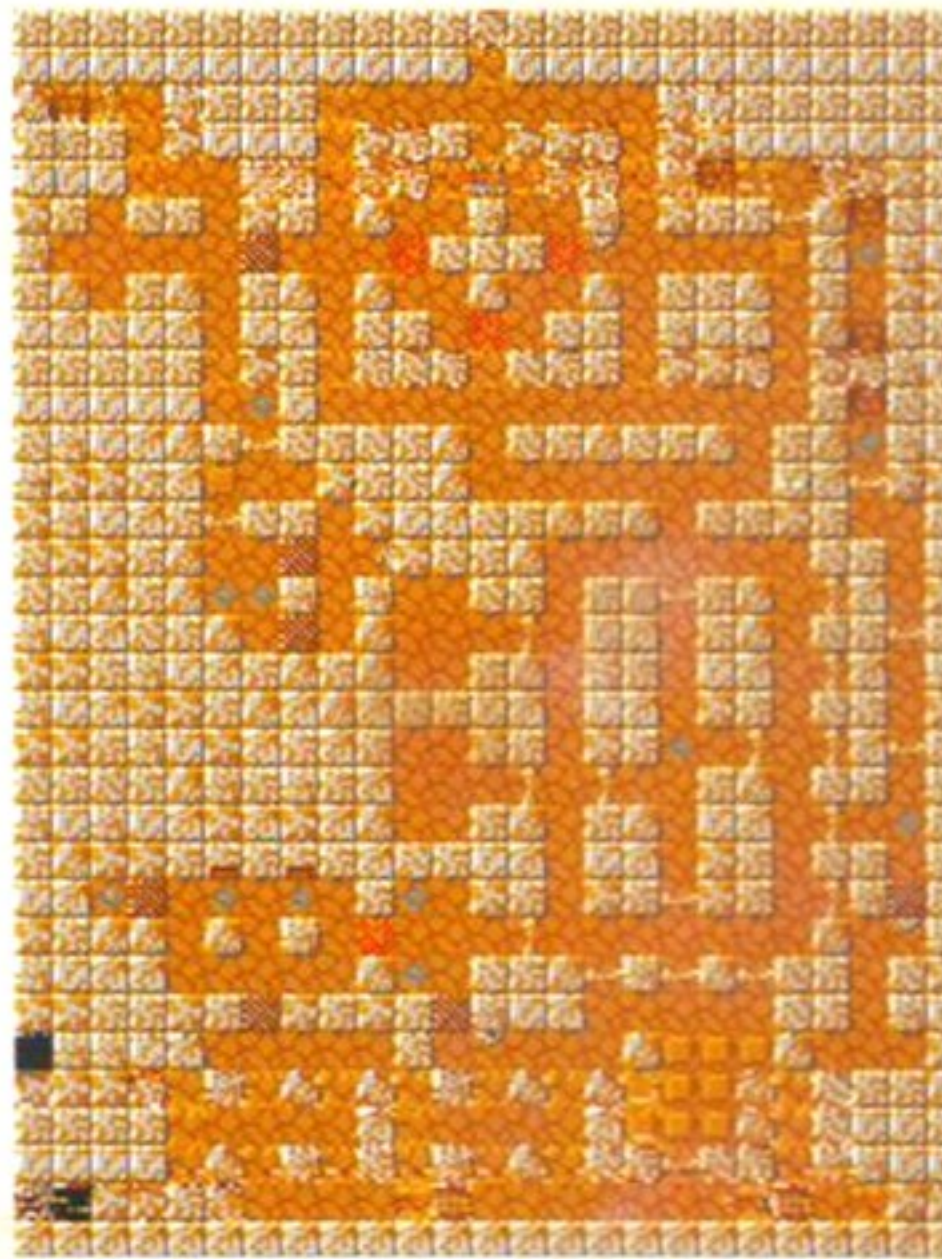


● If you fall down a pit in catacomb level 1 and you end up imprisoned, throw something through the bars so that it hits the button to the east. The door will then open. A keyhole nearby can only be opened with a lock pick.
● You come back to the north of this level when you complete catacomb levels four and five.



CATACOMB LEVEL 3

● There are two Non-Player Characters (NPCs) who may join your party at this level. You will find a complete set of elf bones in the prison block which is to the south of this level.
● To the north is a big room with a whole legion of skeletal lords. Save before you enter, because the skeletons may kill your party.
● To exit this level you will need two Dark Moon keys. The wall in front of the stairs to catacomb level four can be hacked away. You can't rest on level four and five, so you should memorise your spells and rest before you enter. You may find some healing potions, spells and scrolls rather useful when you're on level four.



CATACOMB LEVEL 4

● When you enter this level, a door is closed behind you. To get back to the temple, you must find another way out.
● In the room with nine pressure plates, an object must be placed on the middle one and in the corner plates, like an X (or a five on a die).
● If you desperately need to rest, you should find the stone gem and use it on the teleporter. It will take you to Temple level two, where you can rest. Once you have though, you should teleport back to the catacomb. Stairs to the north west lead down to catacomb level five.
● You need many keys to get back up. But, make sure you've got all four horns before you do.

CATACOMB LEVEL 5



● This is the giant-ant lair - they will come out of the holes to the west. There is a lot of treasure to be found on this level. Make sure you get the horn from the south before you go back up the stairs.

KEY

- | | |
|--------------------------------|---------------------|
| ■ WALL | ■ SHELF |
| ■ FLOOR | ■ PRESSURE PLATE |
| ■ ILLUSIONARY OR MOVEABLE WALL | ■ LEVER |
| ■ STAIRS UP | ■ BUTTON |
| ■ STAIRS DOWN | ○ OBJECT |
| ■ TELEPORTER | ■ BED |
| ■ DOORS | ■ EMPTY WATER BASIN |
| ■ PLAQUE | ● PIT |
| ■ NICHE | ■ BARREL |

TEMPLE LEVEL 1


- To destroy the carving of the four winds you need the four horns. They can be found in the catacomb levels one, three, four and five. Stand in front of the carving and use all of the four horns in any order (click on them with right mouse button).
- The teleporters lead to the resurrection rooms, this is where you can bring dead party members or NPCs back to life.

KEY (ALSO SILVER TOWER)

WALL	SHELF
FLOOR	PRESSURE PLATE
ILLUSIONARY OR MOVEABLE WALL	LEVER
STAIRS UP	OBJECT
STAIRS DOWN	BED
TELEPORTER	HOLY WATER BASIN
DOORS	PIT
PLAQUE	RESURRECTION
NICHE	BARREL
	MANTIS EGG
	LIGHT PAD

TEMPLE LEVEL 2


- Search everything!
- A key can be found in a bed.
- Many locks can only be opened by a thief.
- To get to the Azure Tower up the eastern stairs you need the mark of Darkmoon and the crystal hammer, both of which you'll get at Silver tower level four.
- To get to the Crimson tower up the western stairs, you must get the Crimson key (found at Azure tower level 2) and three pieces of Talon (found at the Azure tower levels).
- When in the Gem room, smashing one of the statuettes will reveal a button - if you push, it should take you in to the western teleporter. In the room that lies beyond that you can find three gems, a key and a pressure plate.
Take the key and put the three gems into any alcove, and the corresponding wall will disappear. You can now enter and get the treasure, and a Tropelet (teleport) seed. This may be placed on the pressure plate, creating a teleporter which will take you back to the Gem room.
- **WARNING:** If you enter the eastern section, the wall will close behind you, and you will be trapped.

SILVER TOWER LEVEL 1

- In front of the stairs are lightpads, which the party must walk over. On the map, are some pads blinking on and off. When a lightpad is off, you can enter it without taking damage. Try not to step on the lit ones.
- You are supposed to get to the other side by following the blinking pads (before you enter the blinking lightpads, save the game). When you get there, the walls disappear, and Mantis warriors attack you. Keep on the pads and quickly kill all the creatures, then step off the pads.
- The lever will turn the blinking lightpads off, along with a few of the lit ones.
- In the niche by the plaque that reads 'What can be trusted?' any item inserted will turn into the last item inserted. Be sure to get the cursed sword called 'Hunger' in this room, as it will be needed later. In the hall with the lever, the lock for the north door can be picked open.
- All mantis eggs can be cut open, revealing young warriors. Feed the magic mouth with three femurs to get a bone key. In the room with eight mantis eggs, take the left eye, replace it, and the wall disappears. Take the mantis idol.

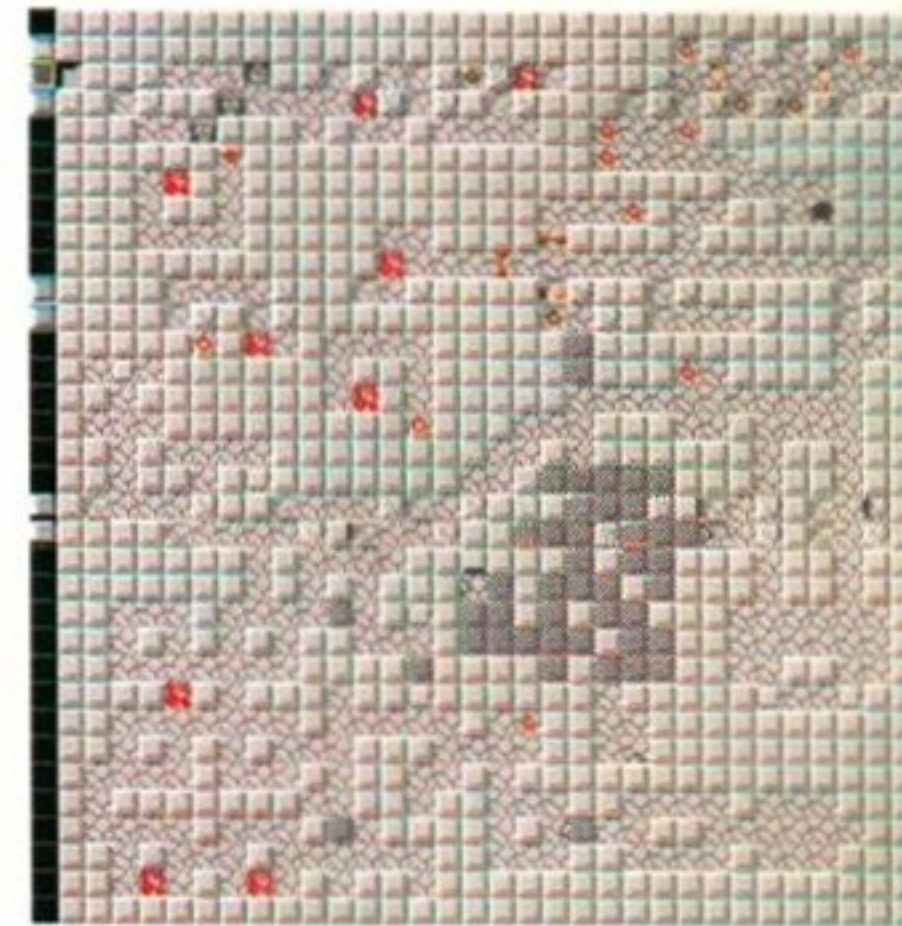
SILVER TOWER LEVEL 2

- When you get here you will find there are loads of giant wasps flying around - they both paralyse and poison you, so beware or you'll get stung.
- Faith is the key
- In the room with four pits the pressure plate resets the levers and the pits.
You must pull down the levers in this order: Northwest, Southwest, Southeast. Now go down the corridor to the south and press the button, then go back up again and pull the Northeastern lever.
- When you meet the spirit again, you should NOT take the left teleporter, you should enter the right (the one that "leads to certain death") - it will teleport you to the stairs to the southeast.

SILVER TOWER LEVEL 3


- When you meet another spirit, you should take the right door.
- The niche at the plaque which says 'Greed may be your downfall. Give what you need not.' any item inserted turns into a rock (It's not a great idea to turn something you need into a rock).
- It's not wise to enter the room with the trap. If you want to go in there save the game first. Feed the following items to the magic mouths, so that they'll sing and open the door to level four:
 - 1 Rotten food
 - 2 Five rocks
 - 3 Mantis idol (this mouth also opens the door to the red gem)
 - 4 Red gem
 - 5 Cursed 'Hunger' or Cursed "Leech"
 - 6 A potion
 - 7 Scroll or parchment

● One of the mouths will not have a function right now, but later, if you enter this level again, it will open the door that Dran closed.

SILVER TOWER LEVEL 4


- Step into the teleporter. This will take you to a random place: the beginning, the room with four keyholes in or a room with a shelf and a key. Teleport until you have all four keys, then teleport to the room with the keyholes and insert the keys into the keyholes. The door will then open.
- Watch out for Beholders. There are also will o' wisps which can be very hard to hit. The Prayer 'Haste and protection from evil 10' helps hit them.
- You should enter the illusionary wall labyrinth, and get to the southern room with the button.
- A Beholder is stuck in a hole on the ceiling. Don't kill him immediately (otherwise he will cause trouble later). He will then attack, so kill him, push the button and you'll get sucked up the hole. Get the crystal hammer while up there!
- The exit is at the end of the 'Test of Vision', in the southeast corner. When you enter the secret passage the spirit appears and summons two beholders. When you've killed them put your hand on the pedestal to receive the mark of Darkmoon and be teleported back to the temple.

Hook

Following on from last month's solution to the brilliant *Monkey Island 2*, we now move on to yet another pirate adventure, the film licence *Hook*. Herein lies the full solution...

AMIGA FORMAT



As you climb the tree and look down, Behold! The fabled Neverland in front of your very eyes.

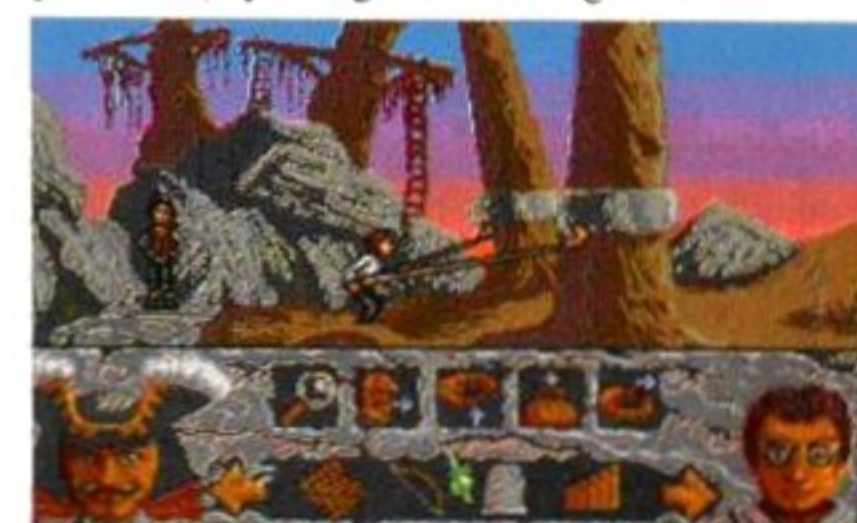


Right. Here I am, standing on the seabed. Wait a mo, how am I breathing? Aaargh! Blub! etc.

through the forest, follow these directions: North, East, North, West, North, East and then East again.

You should now walk into a rope trap, which reveals the lost boys' hideout. Walk left into the workshop and get the elastic, then go left to the jogging area where you can use the weights to get into shape. Go left to the Avenger, get the net and examine it to find a piece of string. Go right twice to get to the Four Seasons, then get the dead branch and the flower. Scare the chicken by blowing the conch shell at it, then pick up the eggs. Give the eggs to the boy in the workshop, and take the suction arrow.

Go right twice to the pond, talk to Tinkerbell, and give her the flower. In return she will give you a thimble. Get the branch from the tree to the right, then use it with the string to make a bow. Go back to the workshop and use the bow on the panpipes, then pick them up and go to the slingshot.



"You found this bit of elastic and somebody had strapped two rings to the trees? Yeah..."

Use the elastic to fix the slingshot, then go up and right to the clifftop and use yourself with the end of the fence (to practice how to fly). Do this several times, then ask Thudbutt about his happy thoughts, and he will give you some marbles. Go back and insult Rufio by saying "Oh, Rufio!" (strong words indeed), which will enable you to use your imagination and throw some imaginary food at him. The table will now be covered with food.

Go down to the round pond, and walk towards the tree. This will take you to the island. Examine the log-bed, fireplace and chair, then talk to Tinkerbell. You will be shown a movie-like story, Rufio will give you a sword, and then you will fly off towards Hook himself.

Now you are very close to the end of the adventure, and all you need to do to kill Hook is talk him to death – we're leaving this one to you, because it's reasonably easy!

Sent in by Daren Mitchell
Bognor Regis

Buz
Broughton Astley

Your first task in the game is to get yourself a pirate outfit, otherwise you won't be able to blend in with the locals and get on to Hook's ship to talk to him. Seeing as you have no money, you must steal the items of clothing that you need... tut, tut (don't do this in real life kids).

At the beginning of the game you are in Pirate Square. Go left from here, pick up the anchor and the washing pole, then go right to Deadman's Pier. Pick up the rope and use it with the anchor, then go into the Crossed Swords pub and get the two mugs from the tables. Go into the Bait and Tackle bar and pick up the third mug, then go out of the door at the top of the stairs.

Wait until the pirate is walking across the square, then use the anchor on the top of the clock. If you time this correctly you should swing across to Mrs Smeedle's front door, grabbing the pirate's hat at the same time (you may need to do this several times until you get it right). Knock on Mrs Smeedle's door, and when she replies use the anchor again to swing back. Now go back down to the square, go left and use the pole on the pirate jacket. Examine the jacket, and you will find a coin.



As Chop pulls your teeth out, you realise – with despair – this is the funny bit of the game...

Go right to Mugger's Alley, and see Dr. Chop to get a couple of teeth pulled out – he will give you two coins in return. Take the roller blind and go to the Jolliest Roger pub, where you should give the three mugs and coins to the barman. He will give you three mugs of cocoa, which you should then give to the man in the blue hat who will fall asleep, enabling you to remove his trousers (quite why the barman doesn't kick you out right there and then I don't know).

Right, now you have all three pieces of uniform, go back to the washing line and use the roller-blind, enabling you to put the outfit on in private.



"What's this, a fancy dress party or what? I look ridiculous! But then I suppose this is Hook, so maybe it's quite apt."

Go to Good Form pier and on to Hook's ship, then walk right and take some money out of the three pots. Go back to the town, buy the magnet from the tailor's shop, then go to the beach and use the magnet on the 'X' which will uncover a clock. Go back to Hook's ship, and walk towards the pirates. After a conversation with Hook, you will be made to walk the gangplank, and will subsequently find yourself on the seabed.

Use the pole on the pulley to get it working, then look at the shiny clam to find a conch shell. Use the clam to get out of the water, then walk right along the tree branch. To get



At last a range of Joysticks with looks and performance that comes straight from the Arcade. With prices starting from as little as £13.99, they are seductively transparent to show their internal workings rippling like the muscles of an Iron-pumper.

SV135 MEGASTAR JUNIOR ▷

- Steel Shaft
- 7 Heavy-duty Microswitches
- Auto-Fire
- Left/Right Hand Switches

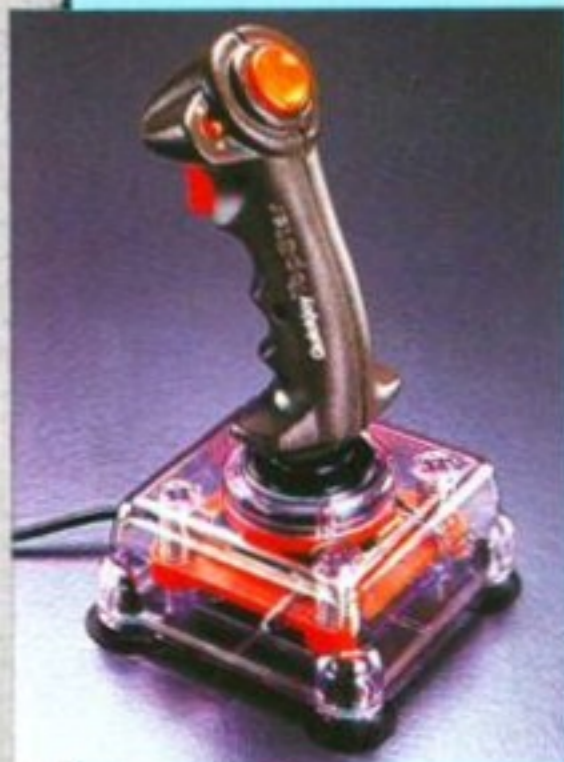
£18.99 inc. VAT



◁ **SV127 TOPSTAR**

- Six Heavy-duty Switches
- Auto-Fire
- Pistol-Grip

£22.99 inc. VAT



SV131 SUPERSTAR ▷

- Steel Shaft
- Six Heavy-duty Microswitches
- Auto-Fire

£13.99 inc. VAT



Just what your AMIGA wanted!

Logic

3

LOGIC 3 products offer three things — style, quality and performance. There's that certain look, that certain feel that make LOGIC 3 products special. LOGIC 3 — 'Putting style into computing'.

LG737 SIGMA-RAY ▷

- Sigma-Ray table-top Joystick
- Six microswitches (closed type)
- Additional base fire buttons
- Rapid-fire function

£12.99 inc. VAT



◁ **LG 203 MANTA-RAY**

- Hand-held Joystick
- Six microswitches (closed type)
- Rapid-fire function

£11.99 inc. VAT



LG2RG SPEEDMOUSE ▷

- for Amiga/Atari Computers
- ultra-sensitive buttons
- Smooth and accurate movement
- Comfortable to use

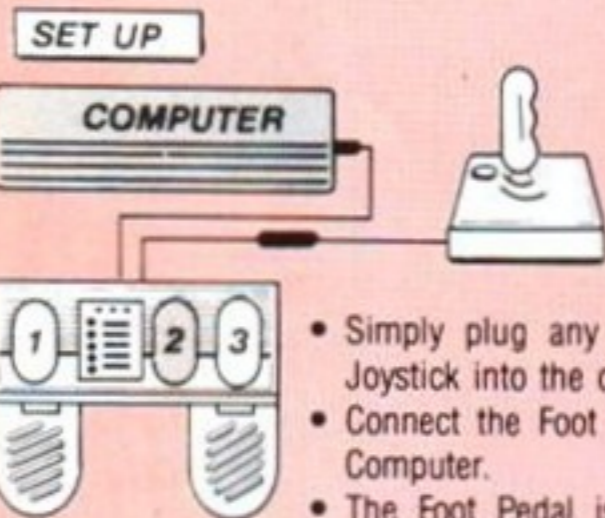
£16.99 inc. VAT



THE FOOT-PEDAL

ENHANCE YOUR VIDEO GAMES ▷

... Sometimes just using a Joystick is not enough to beat today's generation of computer games. The Foot Pedal Controller works in conjunction with a Joystick. By aligning any three of the Joystick functions to synchronise with the Foot Pedals it enhances any multi-functional game that includes flying, driving or playing sports ... games-playing will never be the same.



SV129 Foot Pedal Controller
£24.99 inc. VAT

- Simply plug any standard 9-Pin Joystick into the cable supplied.
- Connect the Foot Pedal into your Computer.
- The Foot Pedal is now ready to use.

Advanced GRAVIS

Simply the best ... GRAVIS products are made in Canada to the highest standards of Joystick Design and Engineering. They are comfortable to use and are built to last. In fact, you will probably need a new AMIGA before the GRAVIS gives up!

Clear

£32.99 inc. VAT

Black

£29.99 inc. VAT

GRAVIS SWITCH JOYSTICK ▷

- Eight position Tension Control
- Microswitch Fire-Buttons
- Independent Function Fire-Buttons
- Foam Padded Grip
- Black or clear versions available



◁ **GAMES PAD for AMIGA**

- 4 quick response buttons
- Removable Joystick Handle
- Left/Right Handed Button
- Controller Layout
- Select Single-Shot and/or Turbo-Fire
- 6 foot cable

Games Pad for Amiga
£19.99 inc. VAT

Datalux

DESIGNER MEDIA STORAGE ▷

Expertly designed, these boxes are not only practical and user-friendly, but are tough enough to provide years of trouble free service.

Just look at the features:

- Robust High Impact Base
- Removable Lid
- Incorporated Integral Lock
- Organisier Dividers
- Transparent Top
- Rubber Feet
- High Capacity
- Space Saving Flat Pack
- Comes in 3 parts for quick Snap Assembly
- van.3 holds up to 80 3.5" Diskettes
- van.5 holds up to 80 5.25" Diskettes

SV 510 3 1/2" version

£8.99 inc. VAT

SV 500 5 1/4" version

£8.99 inc. VAT



Give your AMIGA what it wants!

AVAILABLE FROM MOST COMPUTER STOCKISTS

OR TELEPHONE: 081 902 2211



SPECTRAVIDEO, UNIT 27 NORTHFIELD INDUSTRIAL ESTATE, BERESFORD AVENUE, WEMBLEY, MIDDLESEX HA0 1NU, ENGLAND
TELEPHONE: 081 900 0024

FACSIMILE: 081 903 6625

HOTLINE 081 902 2211

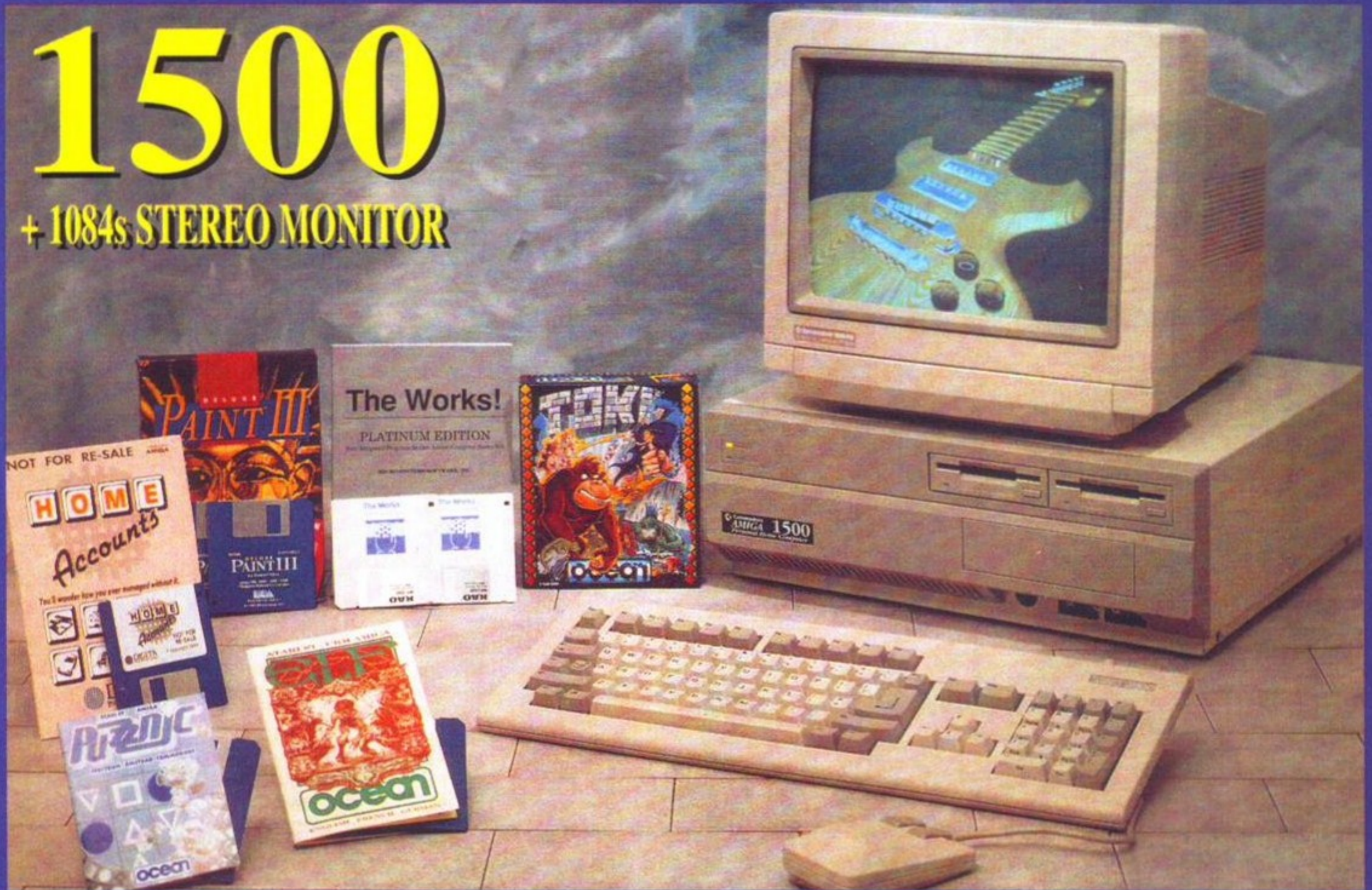
COMPETITION TIME

C Commodore
AMIGA

WIN WIN WIN

1500

+ 1084s STEREO MONITOR



CALL NOW

0891 800 406

**JUST DIAL THE ABOVE NUMBER
- THE MORE TIMES YOU CALL THE
BETTER THE CHANCE OF WINNING!**

Calls charged at 36p per min cheap, or 48p per min peak. Please ask permission of telephone owner before calling.
Computaworld Ltd, 174 Church Street, Blackpool, Lancashire FY1 3PS



Helping Hand

Now come on. What are you reading this bit for? You should know what Helping Hand is by now. It's that page dedicated to helping people with their problems... (on computer games, of course.) Here goes...

WINE, WOMEN AND WIZARDS



The short-sighted hunchback is just about to buy it because the cow-aardly Gobliliins have gone for a wash...

I have a problem with the Gobliliins. On level 13, I can't get to the bottle next to the wizard because the horn is in the way.

Neil Willan
Derby

£25

This is one of the trickiest levels, but thanks to Stephen Murray of Flint it's not impossible.

After you've cracked the egg, magic it to make the wings grow. The egg will pick Ignatius up and drop him on the right of the screen. Magic the horn on the floor to remove it, then pick up the elixir and use it.

When Oups is invisible, walk past the horn to the right of the screen. Pick up the carrot and use it by the rabbit hole. Bring Oups to the edge of the wall by the horn, then magic the rabbit who will jump on the wall and transform into a naked woman. When the Wiz is looking at her, move Asgard to near the rabbit hole as well, and you will be able to pass GO.

Stop monkeying around!

Good grief! It seems that there has been a resurgence of interest in the original Monkey Island in the past couple of months, probably due to the popularity of the sequel. Well, I'll answer some questions, after all, we did publish a full solution way back in Amiga Format 24 and 25.

Anyway, here are the queries...

I need help! I can't get past the deadly piranha poodles on Melee Island. I've tried giving them the hunk of meat but nothing happens.

Timothy Robinson
Newcastle upon Tyne

Ah, but it's not the meat that matters, it's what you do with it that counts. Remember those yellow plants you saw while walking through the forest? Try using a yellow petal on the meat and then give it to the poodles. Condiments, who needs 'em?

Help! I'm desperate! I've got to Monkey Island, but the natives won't give me a navigational tool. What can I do?

Paul Johnson
Preston

"Now look here. You had better come over here and cook these sausages right this minute, young man, or there'll be hell to pay."



In Legend, I'm stuck at Fagranc level one in a room with two pressure pads, one green and one blue. Trouble is, I can't open the chest without getting teleported away! Can you give me a hint?

Nick Jepson
Rotherham

Easy. Give the natives the wimpy little idol, then go into the hut on the left. Get the banana picker, then go back outside and head out of the village. Give the banana picker to Herman, and he will give you the monkey-head key.

Paddle around the beach just next to the headland, and walk to the gigantic monkey-head in the clearing. Use the key on the gigantic monkey ear, then get into the boat again and paddle back up to the village. You should now find that the natives are friendly, so tell them you're looking for somebody who's dead.

They will tell you about their magic potion, and you should then tell them that you're going to kick LeChuck out. Get them to tell you about the head of the navigator, then give them the leaflet - you will then get the object of your desire...

Remember, all these tips - and loads more - (including The Simpsons) are available in the Screenplay 2 book by Maff Evans. See Page 128 for details.

Double damage

On level two under Treihadwyl in the game Legend, there is a room containing six damage symbols on the floor. Try as I might, I can't get past the expanse of water in front of the door. Help!

D Honey
Witney

What you must do is cast the spell 'missile damage damage' on the tile to the south west. You will then be able to cross.

We certainly can! Go right to the door in the North, then turn around so that you're north of the chest and facing it. Now click on 'take', then click on your own feet. Your character should then examine his square, and when he finds it empty he will open the chest. Voilà! Thanks to Tag for the tips.

Fish! Wibble.

I'm stuck! The arcade adventure Exile has had me stumped for ages. I can get quite far in the game, but when it comes to the part with the 'Happy fish' and some acid drops I can't get past the clams! Can you or a reader help me?

Alex Churchill
Throop

I'm afraid we can't. Can anyone out there?



Oh no. Jetman's been on the Happy Fish again...

And finally...

I always buy your brilliant magazine! I feel it is the best on the market. That's why I have sent you my own personal A-Z of cheats. Since there are 218 of them, does that mean that I get £50 per cheat (which equals £10,900)?

James Jagger
Lincoln

Nope.

WANTED!

More hints, tips and cheats than you can shake a stick at! Send them in to GameBusters, and you could win up to 50 quid! Stuck on a game? Send your question in to Helping Hand and we'll do our best to see you right!

Remember though, we don't print Action Replay cheats, and we don't give personal replies. See ya later!

If you're stuck on a particular game, or have a solution to a letter printed in the magazine, then write it down and send it in to us at HELPING HAND Amiga Format, 30 Monmouth Street, Bath BA1 2BW.

Price Busters!!

Graphics & General	
Advantage.....	59.99
AnitA	19.99
Art Department Pro 2....	139.99
Baby	9.99
Big Alternative Scroller ...	34.99
Broadcast Titler 2.....	154.99
Deluxe Paint IV Rev 4.1 ..	54.99
Expert Draw	44.99
Expert 4D Jr.....	34.99
Font Grabber	29.99
Hotlinks	49.99
Imagine 2.0.....	189.99
Personal Finance	
Manager	19.99
Personal Font Maker	34.99
Professional Calc	99.99
Pro Draw 3.0 - NEW!	89.99
Real 3D Beginners	99.99
Scala.....	179.99
Scala 500.....	64.99
Take 2	34.99
Video Director	99.99
Vidi Amiga 12.....	84.99
Video Fonts	39.99
Vista Pro 2	49.99
XCAD 2000 - NEW!	99.99
XCAD 3000 - NEW!	299.99
Educational	
Better Maths	14.99
Better Spelling	14.99
Compendium 6	24.99
Distant Suns 4.1	39.99
Fun School 4 Series	15.99
GB Route Plus	54.99
Junior Typist.....	11.99
Maths Mania	14.99
Micro Series.....	16.99
Tekno Amiga	64.99
Three Bears	14.99
Voyager 1.1.....	69.99
Development & Utilities	
AMOS	29.99
AMOS 3D	22.99
AMOS Compiler.....	19.99
Easy AMOS.....	22.99
Anim Fonts 1, 2 & 3	29.99
Blitz Basic	39.99
Can Do V1.6	64.99
Cross Dos 5.0	26.99
Dev Pac 3.0	49.99
Directory Opus.....	25.99
Diskmaster.....	32.99
HiSpeed Pascal	64.99
Home Accounts 2	36.99
Maxiplan 4.0	34.99
Quarterback 5.0.....	39.99
Hardware	
Quarterback Tools	44.99
Turbo Print Pro 2.0	39.99
Boot Selector Switch	14.99
512K RAM with clock	29.99
Colourburst	349.99
1.5Mb RAM with clock	82.99
Invision Plus/Live	499.99
Flicker Free Video	
A500	269.99
Kickstart Switch with 1.3	
ROM	39.99
Naksha Mouse	22.99
Optical Mouse	29.99
RocGen Genlock.....	84.99
RocGen Plus.....	129.99
RocLite Drive	54.99
Roc Key	269.99
Podscat Graphics	
Tablet	189.99
Sharp JX100 Scanner	
with Amiga interface.....	459.99
Touch Screen	
for Amiga.....	229.99
3 Button Track Ball.....	34.99
Zydec Trackball.....	29.99
Zydec Amiga Drive.....	49.99
Zydec A500	
1Mb RAM Card	44.99
Zydec Hand Scanner	119.99
Music & Sound	
AD1012/Studio 16	
Card	399.99
Audio Engineer Plus 2	149.99
Audition 4	34.99
Deluxe Music Const.	
Set.....	49.99
Megamix Master	29.99
Perfect Sound	39.99
Pro Midi Interface	19.99
Stereo Master	29.99
Techno Sound Turbo.....	29.99
DTP & Wordprocessing	
Excellence 3.0.....	59.99
Gold Disk Type	29.99
Kindwords 3.0	34.99
Mini Office - NEW !!!	39.95
Page Setter 2	34.99
Page Stream 2.2	129.99
Pen Pal	49.99
Protect V5.5	99.99
Professional Page 3.0	129.99
Quickwrite	29.99
Scribble	22.99
Transwrite	29.99
Wordworth 1.1.....	79.99

Post & Packing add £1.25

Securicor add £5.00

48 hour despatch (cheques 7 days)

Cheques should be made payable to Softstore

Access and VISA cards accepted

Softstore, 410 Bath Road, Slough SL1 6JA

0628 - 668320

CALLERS WELCOME

WIN

COMPUTER EQUIPMENT WORTH
UP TO

£2000!

JUST ANSWER FIVE
QUESTIONS AND ONE
OF THESE PRIZES
COULD BE YOURS!

1st PRIZE: AN AMIGA 1500 PACKAGE INCLUDING A CBM1084 COLOUR STEREO MONITOR

OR

A SUPER-NINTENDO 16-BIT CONSOLE PLUS 15 CARTRIDGES OF YOUR CHOICE.

2nd PRIZE: TEN GAMES TITLES OF YOUR CHOICE FOR YOUR AMIGA.

3rd PRIZE: A NINTENDO GAMEBOY PLUS THREE GAMES OF YOUR CHOICE.

PHONE NOW ON

0891-545521

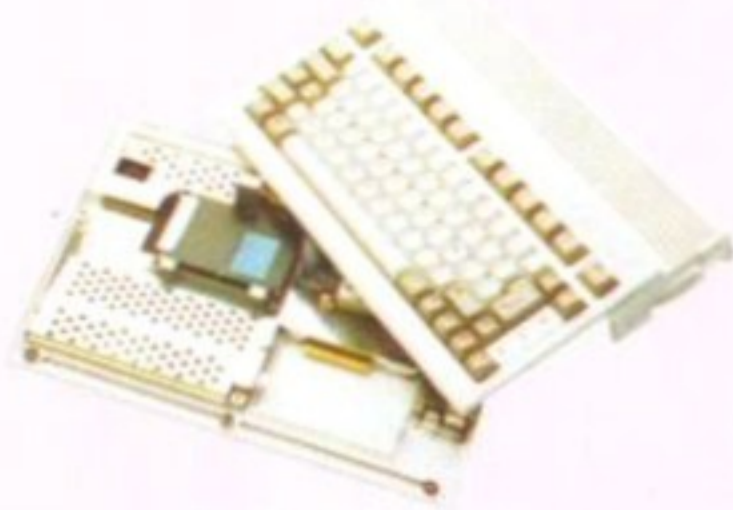
CALLS CHARGED AT 36 PENCE PER MINUTE
CHEAP RATE, 48 PENCE PER MINUTE
AT ALL OTHER TIMES.

HILL-REGIS LIMITED, TRINITY HOUSE, SECOND FLOOR, 6 PEMBRIDGE ROAD, KENSINGTON, LONDON W11 3HL

FOR A COPY OF THE RULES, PLEASE SEND SAE TO THE ABOVE ADDRESS.

AMIGA SUPER VALUE PACKS

A600FD STANDARD FEATURES



- ★ ON SITE MAINTENANCE
- ★ 1MB RAM
- ★ 1MB DISK DRIVE
- ★ BUILT IN TV MODULATOR
- ★ 4096 COLOURS
- ★ SPEECH SYNTHESIS
- ★ MULTI-TASKING
- ★ 4 CHANNEL DIGITAL STEREO SOUND
- ★ MOUSE
- ★ WORKBENCH DISKS
- ★ COMPREHENSIVE MANUALS
- ★ ALL CONNECTING CABLES

WANT 2MEG OF RAM?

UPGRADE YOUR A600 TO A MASSIVE 2MB OF RAM FOR ONLY

£39.95

WHEN YOU ORDER YOUR A600
(Normal RRP £59.95)

WANT AN A500 PLUS V.2?

LOOK AT PAGE 3
UNDER SPECIAL PURCHASE

A600FD BAD INFLUENCE PACK

A600FD COMPUTER AS PER STANDARD SPECIFICATION

PLUS ASTRA TEN GAME PACK	PLUS BAD INFLUENCE GAMES	PLUS ACCESSORY PACK
Datastorm.....19.95	WWF WRESTLING ..£29.99	2 MICROSWITCH JOYSTICKS ..£25.98
Dungeon Quest.....19.95	A must for wrestlemania fans	Not one but two quality joysticks
E-Motion19.95	FINAL FIGHT£29.99	TAILOR MADE DUSTCOVER ..£12.99
Grand Monster Sam...19.95	Arcade martial arts at its best!	Essential protection
RVF Honda.....24.95	PITFIGHTER.....£29.99	HIGH QUALITY MOUSEPAD ..£7.99
Driving Force24.99	Ringside fighting action	Keeps your mouse squeaky clean
Pipemania.....24.99	<i>This super value pack</i>	
Rock 'n' Roll19.99	<i>retails for over £650, but</i>	
Skweek19.99	<i>is available to you for only</i>	
Tower Of Babel.....19.99		£299.99

A600FD GAMESMASTER PACK

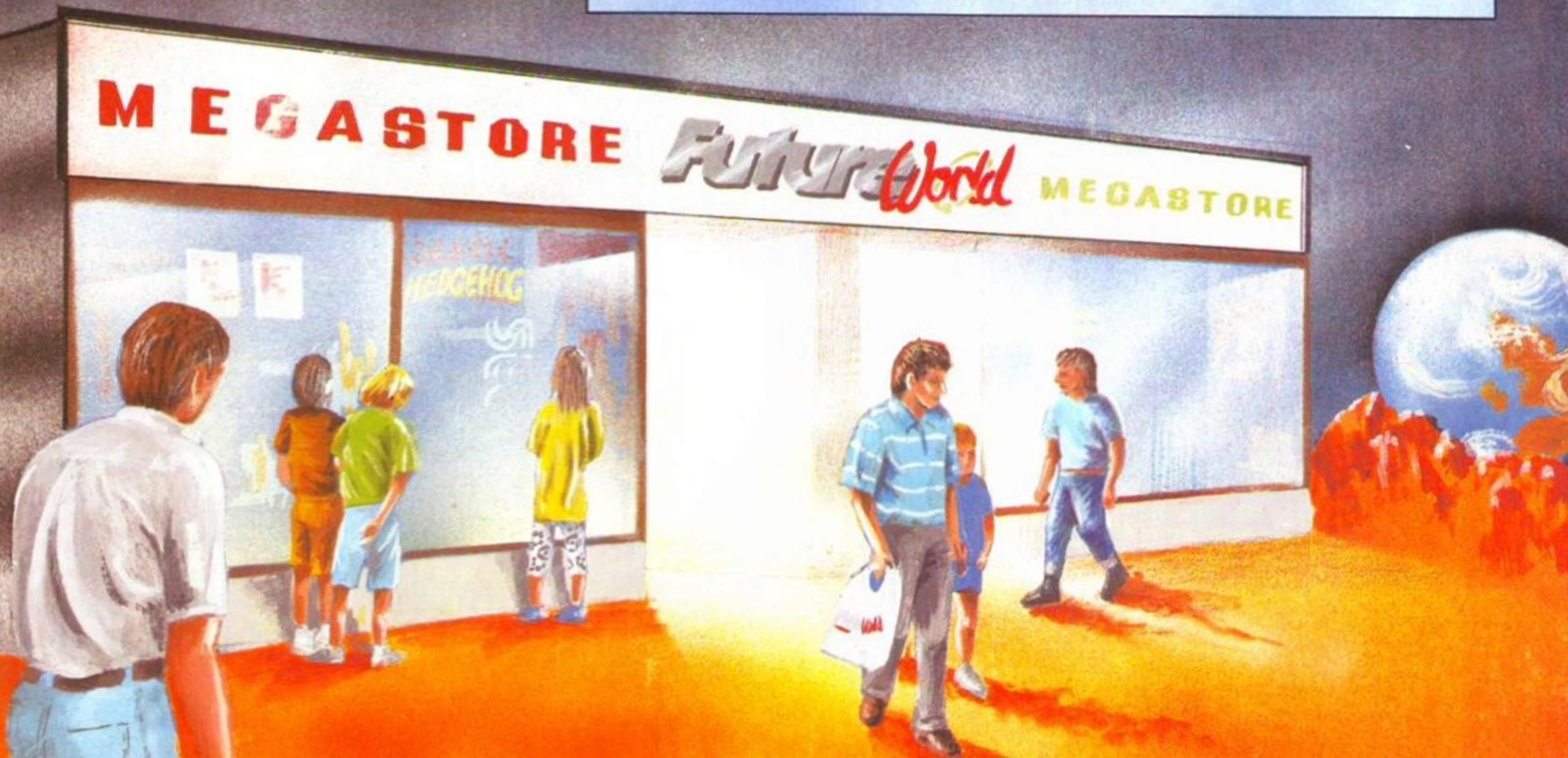
Incorporating Commodore's 'THE WILD, THE WEIRD AND THE WICKED' A600FD COMPUTER PLUS ALL ITEMS LISTED IN 'BAD INFLUENCE' PACK

PLUS WILD, WEIRD & WICKED	PLUS SPORTSTARS PACK	PLUS BASIC PACK
DELUXE PAINT III.....£49.99	KICK OFF.....£29.99	GFA BASIC£49.99
Essential painting package	The original and greatest football game	Essential for Basic programming
GRAND PRIX£34.99	PRO TENNIS TOUR ..£29.99	PRECISION DISKS....£12.99
The best racing simulation ever!	Stunning gameplay & effects	Ten branded disks to get you going
PUSHOVER£29.99	GFL GOLF£29.99	40 CAPACITY DISK BOX....£9.99
Infuriatingly addictive puzzle	Play a round in the comfort of home	Essential for storage
game	<i>This super value pack</i>	
PUTTY£29.99	<i>retails for over £950, but</i>	
Brand new release from	<i>is available to you for only</i>	£349.99
System3		

A600HD EPIC/LANGUAGE LAB PACK

A600HD as standard with 20Mb Hard Disk built in PLUS ALL ITEMS LISTED IN 'BAD INFLUENCE' PACK

PLUS EPIC/LANGUAGE PACK	PLUS BASIC PACK	PLUS PAINT PACK
TRIVIAL PURSUIT...£39.99	GFA BASIC£49.99	PHOTON PAINT 2 ...£89.95
Super 3 language version	Essential for Basic programming	One of the most
EPIC.....£29.99	PRECISION DISKS....£12.99	comprehensive paint
Space shoot-em-up	Ten branded blank disks	packages on the market.
ROME.....£29.99	40 CAPACITY DISK BOX ..£9.99	
Millenium classic	Essential for storage	
MYTH£29.99	<i>This super value pack retails</i>	
Arcade adventure	<i>for over £1140, but is avail-</i>	
	<i>able to you for only</i>	£499.99



ORDERING MADE EASY

BY PHONE


Simply call our Head Office quoting your Access/Visa number on **0234 218060 (5 lines)**
Open 9.00am - 8.00pm

BY CALLING PERSONALLY

Simply call in to your nearest FutureWorld store where our fully trained personnel will be more than happy to deal with your requirements.

BY POST

Make cheques, Building Society drafts or Postal Orders payable to

 FUTUREWORLD COMPUTERS LTD,
UNITS 25-27 SERGEANTS WAY
ELMS INDUSTRIAL ESTATE BEDFORD
MK41 0EH

Please write cheque guarantee card number on the reverse of cheque to ensure same day clearance. Cheques without a card number subject to 10 days clearance.

 REMEMBER ALL PRICES ARE INCLUSIVE OF VAT & COURIER DELIVERY (UK Mainland only)
SATURDAY DELIVERY £10.00

FINANCE

Finance available to suit your specific needs. Written details on request. Instant credit is available in all FutureWorld stores.

PREMIER GOLD CARD

- 7 day money back guarantee on goods purchased if not completely satisfied (subject to goods being returned in mint condition)
- 30 day exchange for new policy should a fault occur
- 1 year guarantee giving free collection and delivery service should a fault occur.
- Exclusive Premier Gold Card with Personal Membership Number entitling you to special offers
- All this for only £19.95 per item purchased

1 YEAR GUARANTEE

For the whole guarantee period, warranty service will be completely free of charge

TECHNICAL SUPPORT/ON SITE ENGINEERS

Being authorised service centres for AMSTRAD, COMMODORE & STAR, we are equipped to deal with the majority of queries. Lines open 3.00pm to 5.30pm

FULLY COMPUTERISED ORDERING SYSTEM

This enables our telesales staff to provide up-to-the-minute stock information coupled with efficient dispatch.

FULL TESTING PROCEDURE

All computer hardware is tested prior to dispatch maintaining our motto:

Simply the
BEST

All goods subject to availability
All prices correct at time of going to press.

E & OE

SALE STAR PRINTERS SALE

All our Star Printers now come with the following value pack worth £34.96 COMPLETELY FREE

- QUALITY COMPUTER CABLE.....RRP £9.99
- UNIVERSAL PRINTER STAND.....RRP £9.99
- 200 SHEETS CONTINUOUS PAPER ..RRP £4.99
- TAILOR MADE DUST COVER.....RRP £9.99
- 16 NIGHTS HOLIDAY ACCOMMODATION
- PLUS ● PD DISK PACK CONTAINING
- Wordprocessor ● Spreadsheet ● Database ●
- Virus Killers ● Backup Utility

STAR LC20 MONO PRINTER

9 Pin Dot Matrix 180/45 cps
TOTAL RRP with value pack £268.01

But yours for an unbelievable **£139.95**

NEW STAR LC100 COLOUR PRINTER

9 Pin colour, 180/45 cps
TOTAL RRP with value pack £299.95

But yours for an unbelievable **£179.95**

STAR LC200 COLOUR PRINTER

9 Pin colour 185/45 cps
TOTAL RRP with value pack £339.95

But yours for an unbelievable **£199.95**

STAR LC24-200 MONO PRINTER

24 Pin mono printer 220/55 cps
TOTAL RRP with value pack £386.29

But yours for an unbelievable **£239.95**

NEW STAR LC24-100 MONO PRINTER

24 Pin mono, 192/64 cps
TOTAL RRP with value pack £349.95

But yours for an unbelievable **£189.95**

STAR LC24-200 COLOUR PRINTER

24 Pin colour printer, 220/55 cps
TOTAL RRP with value pack £445.04

But yours for an unbelievable **£289.95**

STAR SJ48 INKJET PRINTER

High speed/quality mono printer. 100cps (LQ)
TOTAL RRP with value pack £379.96

But yours for an unbelievable **£234.95**

STEREO COLOUR MONITOR

Exclusive to FutureWorld

PHILIPS 8833 MKII
LOTUS/F19 PACK

Features:

- ★ Award winning stereo monitor
- ★ On-site maintenance
- ★ LOTUS TURBO CHALLENGE 2 PLUS
- ★ F19 STEALTH FIGHTER

ONLY
£199.99

MEMORY DRIVES & SCANNERS

MEMORY

512K RAM EXPANSION	WITHOUT CLOCK £19.95
	WITH CLOCK £24.95
1.5 MEG EXPANSION (Not Plus compatible)	£79.95
1 MEG EXPANSION (Gives your A500 plus a massive 2MB)	£39.95
1 MEG EXPANSION WITH THRU-PORT	£49.95
NEW 8 MEG RAM BOARDS FROM POWER	
Complete with Thru-Port Populated board with 0 Meg RAM	£99 ●
2 Meg RAM	£129 ●
4 Meg RAM	£189.95 ●
8 Meg RAM	£299.95

DRIVES

DIRECT A500 REPLACEMENT DRIVE with instructions	£44.95
POWER PC880B Robust slim drive with anti-click	£49.95
CUMANA CAX 354 SLIMLINE DRIVE	£54.95
POWER PC 880B with Blitz/Virus hardware	£69.95
POWER PC880B + X-COPY PROFESSIONAL	£99.95
DUAL POWER PC880B complete with Power supply	£124.95

HARD DRIVES

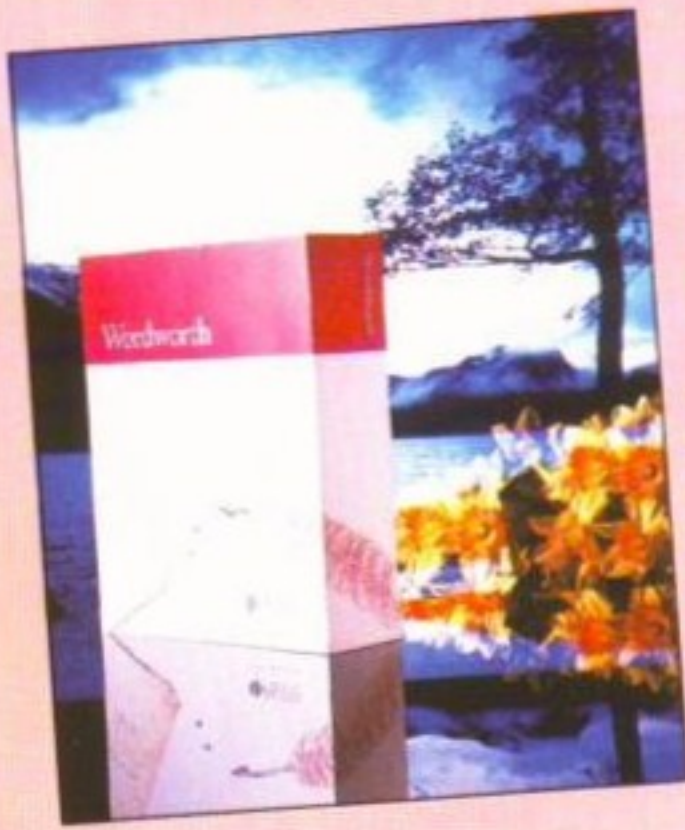
GVP 52 MEG HARD DRIVE WITH RAM EXPANDABLE TO 8MB. 0 Meg RAM	£379.95 ●
2 Meg RAM	£429.95
4 Meg RAM	£499.95 ●
8 Meg RAM	£679.95
GVP 105 MEG HARD DRIVE WITH RAM EXPANDABLE TO 8MB	
0 Meg RAM	£579.95 ●
2 Meg RAM	£629.95 ●
4 Meg RAM	£729.95 ●
8 Meg RAM	£899.95
POWER SCANNER WITH VERSION 2.0 SOFTWARE	£99.95
UPGRADE KIT FOR NON POWER SCANNER UNITS	
Complete with hardware interface and new version 2.0 software	£49.95

AMIGA 1500 CARTOON CLASSICS SUPERPACK

NEW AMIGA 1500 featuring Workbench/Kickstart 2. The Works. D Paint III. Home Accts etc.....	RRP £699.95
ASTRA TEN GAME PACK 10 individually packed games (see A500 Gamesmaster pack for details)	RRP £229
GFA BASIC Essential for basic programming	RRP £49.99
CARTOON CLASSICS SOFTWARE	
Bart Simpson Vs Space Mutants *Lemmings*	
Captain Planet	RRP £79.97
2 FIGHTER JOYSTICKS	RRP £15.98
QUALITY MOUSEPAD	RRP £6.99
TOTAL RRP £1082.62	
But yours for an unbelievable	
£599.95	

N.B This Machine requires a TV/Modulator (£24.95) if it is to be used with a television

FutureWorld
computers



**WORDSWORTH
v1.1 SCOOP
AT £29.95★
★ With any
purchase
over £50**

**SAVE
£100**

Simply call in one of our stores or ring our telesales department. Make any purchase to the value of £50 or more and we'll supply you with the **BEST** Amiga wordprocessing package on the market for just **£29.95** - saving you £100! But hurry stocks are limited at this crazy price! Alternatively you can buy Wordworth v1.1 on its own for **£69.95**

**★★ SPECIAL PURCHASE ★★
A500 PLUS VERS 2.0
CARTOON CLASSIC PACKS**

**FEATURING:
DELUXE PAINT III
BART SIMPSON
CAPTAIN PLANET
LEMMINGS**

RRP £399

SUPER LOW PRICE

£299.99

★★ SPECIAL PURCHASE ★★



**TOP TEN CHRISTMAS
GIFT IDEAS AT GIVE-
AWAY PRICES WHEN
YOU SPEND OVER £25 IN
ANY OF OUR STORES OR PUR-
CHASE MAIL ORDER ★**

ITEM	NORMAL PRICE	GIFT PRICE
1 40 Capacity 3.5" Lockable Disk Box	£9.99	£2.99
2 80 Capacity 3.5" Lockable Disk Box	£14.99	£4.99
3 Pack of Ten Branded Precision 3.5" Disks	£12.99	£3.99
4 3.5" Disk Drive Cleaner Kit	£9.99	£1.99
5 High Quality Semi-soft mousepad	£7.99	£1.49
6 200 Sheets of Continuous Printer Paper	£7.99	£1.99
7 Standard Microswitch Joystick	£9.99	£3.99
8 Zipstick Superpro Autofire Joystick	£16.99	£8.99
9 Quickjoy Topstar Joystick-The Ultimate	£23.95	£14.99
10 Replacement Amiga Mouse	£24.95	£9.99

★ LIMITED TO ONE GIFT PER TRANSACTION

PROFESSIONAL AMIGA REPAIRS

"Simply the Best" Commodore authorised repair centre
FREE COLLECTION & DELIVERY BY COURIER Make one simple phone call and leave the rest to us!
GUARANTEED 7 DAY TURN AROUND We guarantee to return your computer WITHIN 7 days of collection
FULL OVERHAUL INCLUDING OVER 50 DIAGNOSTIC CHECKS Your Amiga will look as good as new
3 MONTH COMPREHENSIVE GUARANTEE Our engineers work to the highest standard
ALL INCLUSIVE PRICE We won't con you with hidden extras
FREE 50 GAMES SOFTWARE PACK

For a limited offer we will give you a 50 games pack completely free!

**ALL FOR THE INCREDIBLE
PRICE OF £59.95**

NB Personal callers in to one of our stores may deduct £10 from the above price. We reserve the right to refuse computers that have been tampered with or are beyond economical repair. In this instance a nominal £10 charge will be made to cover carriage costs.

EXTEND YOUR WARRANTY TO A TOTAL OF 1 YEAR FOR ONLY AN ADDITIONAL £20.00

ALL PRICES INCLUDE VAT & COURIER DELIVERY

VISIT YOUR LOCAL STORE

-  **BASILDON MEGASTORE**
12/13 South Walk, Basildon
Telephone (0268) 270013
-  **BEDFORD MEGASTORE**
1 The Howard Centre, Bedford.
Telephone (0234) 212460
-  **LUTON SUPERSTORE**
3 Arndale Centre, Luton
Telephone (0582) 482680
-  **NORTHAMPTON SUPERSTORE**
1-7 College St, Northampton
Telephone (0604) 33996
-  **ST. ALBANS SUPERSTORE**
34 Market Place, St. Albans
Telephone - Call Head Office
-  **WELWYN GARDEN CITY**
16 Church Road, W.G.C.
Telephone (0707) 390029
- OPENING SOON
MEGASTORES**
-  **ALDERSHOT**
-  **WEMBLEY**
- SUPERSTORES**
-  **BARNET**
- WALTHAMSTOW**



Take our sound advice

The perfect magazine about music technology would have...

- 1** Authoritative reviews of the latest hardware and software, written by musicians who have used the equipment under the same real-world conditions you'd be facing.
 - 2** Expert technical advice and help on any problem to do with creating, recording and performing.
 - 3** Informative interviews with performers and sound crew, and profiles of prominent music personalities, giving you the professionals' tips on improving your music.
 - 4** Adverts packed with bargains, useful services, new releases and second-hand buys.
 - 5** News pages packed with previews, launches, opinions, updates, events and personalities.
 - 6** Easy-to-follow tutorials that show you how to get the most from your equipment and don't just rehash the manual.
 - 7** Comprehensive buyers' guides to all the existing hardware and software, regularly updated.
 - 8** Covermounts that are genuinely useful and superb value for money.
 - 9** The resources and commitment to quality of Future Publishing behind it.
 - 10** An experienced team of journalists and designers, determined to produce a top-quality magazine with no jargon, no technical waffle and no uninteresting pages.
- ◆ On Thursday 15 October *Future Music* will make all these things a reality, and much more besides. Don't miss it!

Basic
Amiga 600
£279.00

NEW PROMOTION
8833 Mk II Monitor Genuine UK
Model Now with Turbo Challenge II
Promotion. Only **£199** inc VAT



CLEARANCE SALE
EX DEMO A590's **£199**
EX DEMO A500's **£199**

if unlikely event
of your maintenance
company not upholding the
warranty, then Diamond will offer
extra cost their own 1 year return to base
warranty from time of purchase

DIAMOND

COMPUTER SYSTEMS LTD

REMEMBER, BUYING THROUGH DIAMOND YOU KNOW YOUR SAFE, WE'LL STILL BE HERE NEXT WEEK

1Mb RAM  **1Mb RAM**
PACK

THE FANTASTIC ASTRA PACK
AMIGA 600
With 10 Top Games
& GFA Basic,
E-Motion, Data Storm, Dungeon Quest,
Power Play, Grand Monster Slam, Kid gloves,
RVF Honda, Shufflepuck cafe, Soccer
& Tower of Babel
only £299 inc vat
Or with 8833 Mk II Monitor
+Turbo Challenge II Promotion +lead
only £499 inc vat
WITH FREE HOME MAINTENANCE
Free Deluxe Paint III + game
while stocks Last
Add **£49.95** for 1Mb extra RAM
we cannot be beaten
on price

LIMITED STOCK

1Mb RAM  **1Mb RAM**
PACK

Captain Diamond's upgraded A600
packs using the superb 2.5" Conner
Drives as used in most notebooks
20Mb only **£399** inc vat
60Mb only **£499** inc vat
80Mb only **£539** inc vat
120Mb only **£599** inc vat
Packs include **FREE D Paint 3 & Game**
Or with 8833 Mk II Monitor
+Turbo Challenge II Promotion
Includes connecting lead
ADD £200 inc vat
12 month warranty
Add **£49.95** for 1Mb extra RAM
If you already have a 600 & want to
increase your Hard Disk see next page
Hard Disk repairs are 12 months
return to base

LIMITED STOCK

1Mb RAM  **1Mb RAM**
PACK

£100 GAMES VOUCHER PACK
NEW AMIGA 600

Fed up with people making up packs
for you, so as you get 8 great games
and 2 you hate?
Well now you can choose your own
titles up to the RRP value of £100.
Whether you want budget or the very
latest release, the choice is yours.
WITH FREE MAINTENANCE
only £349 inc vat
Or with 8833 Mk II Monitor
+Turbo Challenge II Promotion
only £549 inc vat
we cannot be beaten
on price

LIMITED STOCK

1Mb RAM  **1Mb RAM**
PACK

BUSINESS SOLUTIONS PACK
NEW AMIGA 600
Everything you need to be up & running
with Wordprocessing
And 9 Pin Quality Printer
+ Text Engine, Flexibase Ledger
Amiga Cash, Amiga Fox (DTP) &
Chequebook Accountant + All AMIGA
standard features, Mouse etc.
WITH FREE HOME MAINTENANCE
only £399.95 inc vat
Or with 8833 Mk II Monitor
+Turbo Challenge II Promotion
only £599.95 inc vat
ADD **£75** FOR COLOUR PRINTER
ADD **£80** FOR QUALITY 24 PIN PRINTER
we cannot be beaten
on price

LIMITED STOCK

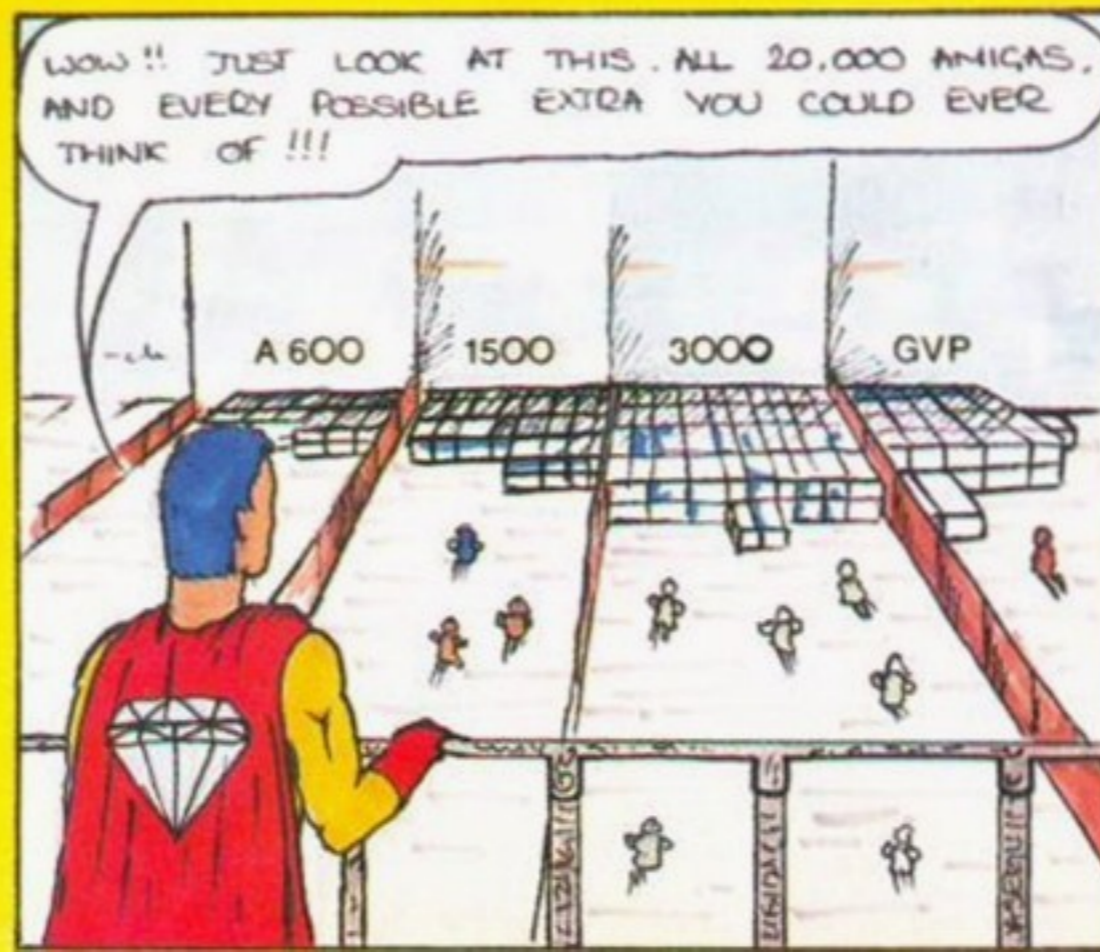
 **THE ALL NEW EVERYTHING BUT THE KITCHEN SINK PACK**
AN A600 & ALL THIS FOR ONLY £349.95
& WE WILL EVEN CHUCK IN A JOYSTICK.

DIAMOND GIVES YOU MORE BECAUSE WE LOVE OUR CUSTOMERS

Games.1 Cubba Peterquest Rothello Scudbuster The Gallows	Games.6 Cheat Sheet Chess Tutor Flipit Zon	Animation.11 Armywalker Coyote	Virus.17 Mem Check No Virus Virus Checker Virus Control Virus Utils VNMK Zero Virus	Sound.21 Muffi Player Octamed	Picture.26 Fashion Girls Leapord Nymph 83 Nymph 84 Nymph 85 Pic Base Squirrel
Games.2 Air Ace China Uamatron	Games.7 Rally II Battle Force	Animation.12 Anims Pogo	Laser.18 Ariidock Cornman Post	Printer.22 Cass Disk Print Print Studio	Term & Mod.26 Term
Games.3 Heartbreaker Blackjack Dominoes Solitaire	Games.5 Trek	Animation.13 Aerotoons Tugrife	Database.23 Addresser Armi Check D Base II Data Easy	PP Utils.28 PPAnim PPLie PPMore PPShow PP Type Tools Deamon	Term & Mod.27 NComm
Games.4 Connex Missile Cmd Paaman 87 Trek Trivia	Games.9 Amastermind Landmine Landscape LVD Sub Attack	Animation.14 Almovies Shufflecock	Word Pro.19 Super Spell Text Plus Typing Tutor U Edit	Picture.24 Starrek 1 IFF Starrek 2 IFF Starrek 3 IFF Judge Dread. Kington IFF Nymphs 1 Nymphs 2 Tea Pot Two ships IFF	Archives.29 LH Warp P-Compress P-Reader P-Writer
Games.5 Armito Mega How Paragon	Games.10 Cute Stuff Cycles Gravity Ware Rot Shanghai	Puzzles.15 Puzz Rubik Word Puzzle Word Search	Copyers.20 Flash Copy Free Copy Paul Copy P Copy Super Duper	Assorted.30 Mighty Mouse Pchase Thea Package	

Due to constant ROM variations this software is subject to change.

The NEW Adventures Of CAPTAIN DIAMOND



HITACHI
CCTV CAMERA
ONLY 129.95

WANT A 1500
With Workbench 2.04?
GOT A 500
SWAP IT FOR ONLY £399.95
ALL PRICES INCLUDE VAT



WARNING
Not reading this carefully could seriously
damage your wealth.
Big price increases are imminent, buy now &
save pounds before Christmas.
Large manufacturers reduced their prices over
the quiet Summer, some even lost money, but
PRICES ARE GOING UP SOON.

CAPTAIN DIAMOND'S 1500 & 3000 CENTRE

GENERAL ACCESSORIES

A1500 NEW VERSION

All Diamond's 1500's come with Workbench 2.04 and are also supplied with:- Deluxe Paint III, Home Accounts, The Works (Word Processor, Spreadsheet and Database), 3 Games (Puzznic, Toki & Elf), and a book (Get The Best Out Of Your Amiga).

A1500 on its own **£529**
with GVP 8Mb bare board+52Mb Quantum **£819**
with 8Mb 0k RAM board+105Mb Quantum **£978**
A1500+8833 **£729**

A1500 Deluxe includes
1.3 ROM / 2.04 ROM & Switcher **£589**

THE NEW COMMODORE AMIGA 3000

25MHz processor, 100 Mb hard disk,
4Mb Fast RAM, 2Mb Chip RAM.

£1995.00 INC VAT
Phone for PX pricing

GRAPHICS & VIDEO

GVP Impact Vision 24 Bit Card
(1500/2000/3000) from **£1550**
DCTV (Pal Version) **£440.00**
Rocgen **£89.95**
Rocgen + **£124.95**
Rendale 8802 **£119.95**
Rendale 8806 RGB **£499.00**
Commodore 2300 Int **£499.00**
G2 **£575.00**
G2+ **£999.00**
Video Pilot V330 **£999.00**
Philips Editing System **£399.00**

Out Of Memory?

8Mb RAM Board for A1500 or 2000 **£79.95**
Aries Board 0Mb **£69.00**
For each 2Mb RAM add **£69.00**

DISK DRIVES

AMIGA Internal **£49.95**
Slimline **£49.95**
Ultra slim **£54.95**
CDTV drive **£64.95**
NEW Roclite Slimline with no click
& Virus protection on track 0. **£59.95**

ROCHARD 52Mb EMULATORS

New Commodore 386-20 **£439.99**
The new GVP 16MHz PC-286 **£239.99**
Vortex AT Once Plus 16MHz **£214.99**

MICE
Naksha Upgrade Mouse **£22.95**
New Roboshift, Auto sensing Joystick/Mouse
switch box **£13.95**

MEMORY UPGRADES
A500 Plus 1Mb Expansion **£39.95**
New A600 1Mb Expansion **£54.95**
Supra 500RX 2Mb Expan.(500/500+) **£139.95**
512K RAM Expansion + Clock (500) **£24.95**
Above without clock **£19.95**
1.5Mb Mb Expansion (Not Plus) **£79.95**
1 Mb Expansion (600) **£39.95**
1Mb Expansion with Thru-Port (500) **£49.95**

INTERNAL DRIVE KIT
Replacement A500 Internal 3.5" drive kit, fully
compatible with 1Mb unformatted capacity.
Comes with easy to follow guide **£49.95**

A500 ROM SWITCHER
Switching between versions of Kickstart on
your A500 is could not be easier than with our
new ROM switcher. **£9.95**
Kickstart 1.3 ROM (Supplied separately) **£29.95**
Kickstart 2.4 ROM (Supplied separately) **£39.95**

TRACKBALL
One hand control unit, after using this you
will never want a mouse again **£29.95**

POWER SUPPLY
Commodore A500 A600 PSU with the switch
mode **£39.95**

SOUND EXTRAS
Amiga Sound Enhancer **£35.99**
Stereo Speakers **£39.95**

CONTROL CENTRE
Turn your Amiga into the ultimate hi-tech
intergrated workstation environment **£34.99**

MONITORS & TV'S
8833MkII +Turbo Challenge II promotion **£199**
CBM 1960 Monitor **£449.95**
CBM Flicker Fixer **£299.95**
Panasonic 1381 multisync **£275**
Philips TV/Monitor **£249**
Philips 3350 51" remote control **£3499.99**
Philips 86cm matchline
100Hz widescreen **£2499.99**
New Philips Designer cube TV/Monitor **£279**
Philips 14" SVGA monitor, suitable for use with A3000
or 1500 with flicker fixer **£229.95**
Please add £14.95 for connecting lead

NEW CDI FROM PHILIPS **£599**

GVP HARD DRIVES / ACCELERATORS

AMIGA 1500 / 200 HARD DRIVE
Impact Series II HC8+ Control Carrd only **£134.99**
Impact Series II HC8+ & 52Mb Hard drive **£279.99**
Impact Series II HC8+ & 120 Mb Hard drive **£419.99**
Impact Series II HC8+ & 240Mb Hard drive **£639.99**
Impact Series II HC8+ & 420Mb Hard drive **£1169.99**

AMIGA 1500 / 2000 ACCELERATOR CARDS
G-Force 030-25MHz with 1Mb 32-Bit RAM **£549.99**
G-Force 030-40MHz with 4Mb 32-Bit RAM **£899.99**
G-Force 030-50MHz with 4Mb 32-Bit RAM **£1269.99**
G-Force 040-28MHz with 2Mb 32-Bit RAM **£1699.99**

AMIGA A500 HARD DRIVES

GVP Series II HD+ 52MB **£354.99**
GVP Series II HD+ 105MB **£469.99**
GVP Series II HD+ 240MB **£734.99**

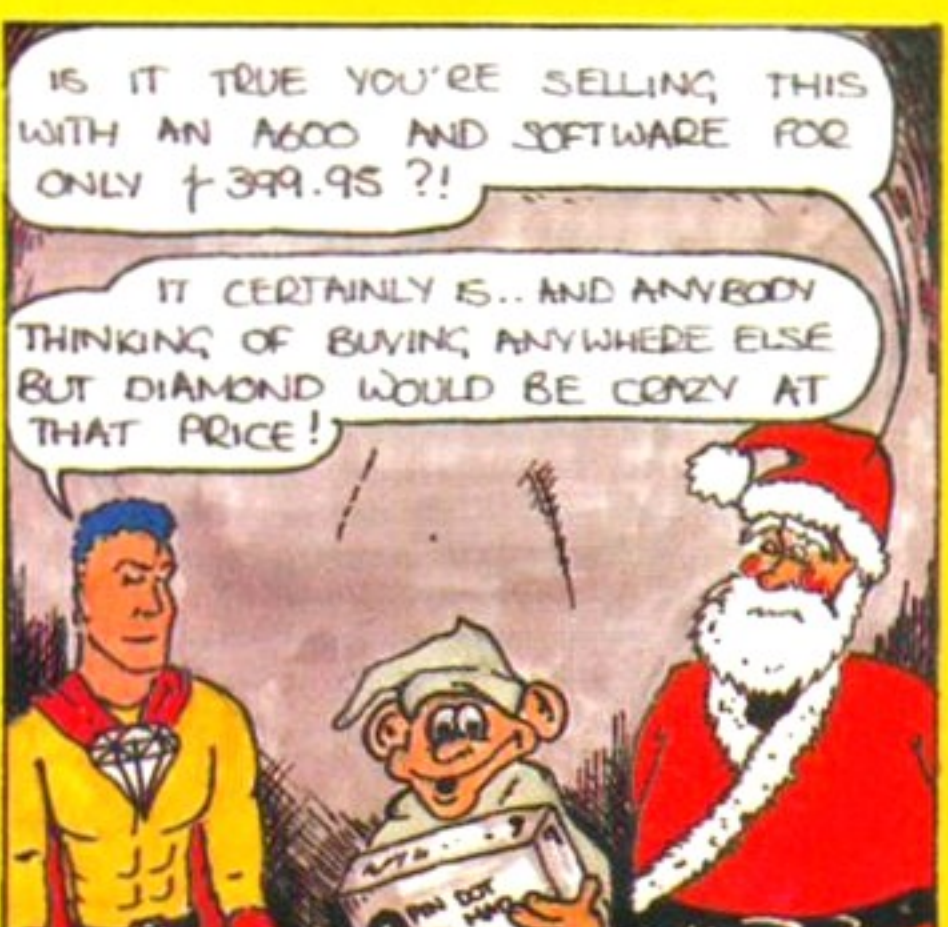
GVP COMBO ACCELERATOR SERIES FOR THE AMIGA A500
A530 Combo 40MHz + 52Mb H/D **£699.99**
A530 Combo 40MHz + 120Mb H/D **£849.99**
A530 Combo 40MHz + 200Mb H/D **£1039.99**
68882 Co-Processor for A530 **£234.99**

GVP MEMORY RAM MODULES
Series II RAM 8 RAM Card for Amiga
1500/200 with 2Mb **£149.99**
32 bit 60ns 1Mb SIMM for Accelerator
Cards **£64.99**
32 bit 60ns 4Mb SIMM as above **£179.99**

COMPONENT SHOP
QUANTUM H/DISKS IDE SCSI
52Mb **£169.95** **£179.95**
120Mb **£269.95** **£279.95**
2 year warranty
SYQUEST DRIVE
Removeable cart. 44Mb 28ms **£299.00**
CONTROLLER for above add **£69.95**
ROM Switcher Now Available
1.3 / 2.04 ROM Switcher **£9.95**
1.3 ROM available @ **£29.95**
2.04 ROM available @ **£39.95**
* PX Offer on page 1. Must be in good
working condition with 1Mb RAM.
Judgement of condition subject to
managers discretion

CAPTAIN'S CHIP SHOP
4X256K DRAMS
For A590'S etc **£3.50**
1X1MB DRAMS For Bup/Supra **£3.50**
1x9Mb SIMMS
For NEXUS/GVP/Rochard **£34.99**
4x9Mb SIMMS For GVP etc **£169.95**
AVIDIO 24
24-bit graphics for the A500. 768x580
quality resolution. 16.8million colour
frame buffer. Small easy to fit circuit
board. Fully genlockable. Runs on
standard A50 (1Mb chip RAM).
With 24-bit paint package(TV Paint).
Allows picture in picture **£589**
REMBRANDT
24-bit colour. 16million colours. Fits
both A1500/2000 **£1490**

**CAPTAIN DIAMOND'S
ULTIMATE A600 HARD
DISK OFFER**
A600 Upgrade Hard Disks
20Mb (limited stock) **£149.95**
60Mb **£199.95**
80Mb **£249.95**
120Mb **£299.95**
Turn your A600 with a single
floppy drive into the ultimate
machine with a Hard Disk.
12 months return to base.
Only £29.95 for fitting by one
of our qualified engineers.

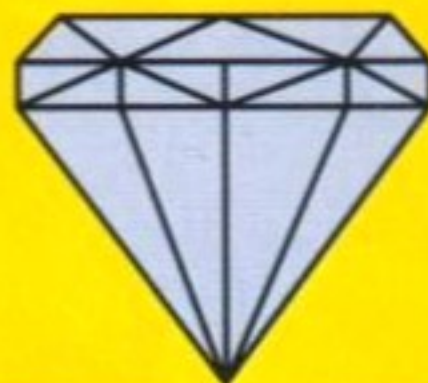


THE DIAMOND PRICE - PLEDGE
Whilst buying goods from us, you can show us
a better price for the same goods in stock with
one of our UK competitors then we will match it.
Even if our prices have increased we will honour
the price in this advertisement on items in stock
as long as you bring this advert with you.
This pledge applies only to customers relying on
this advertisement before the 10th day of the
month of publication. It does not apply to
competitors prices offered in closing down or
stock clearance sales.

JAMES STEVENSON 1992

MUSIC X
£44.95

**P/X your old 500
for a new Amiga 1500
with Workbench 2.04
for only £399.95
ALL PRICES INCLUDE VAT**



**Part exchange ex demo
A500 with 3 months warranty,
£199.95
Ex demo A590's from £199.95
ALL PRICES INCLUDE VAT**

DISK ONLY
40P EACH

CAPTAIN DIAMOND'S PERIPHERALS PAGE

Printer Driver Disk for your Amiga, **£5.00** (Please specify model)

APPLICATION	SOFTWARE
Graphics & Digitising	Wordprocessing & DTP
Deluxe Paint IV £59.99	Transwrite £29.99
Digi view Media Station £119	Kindwords 3 £34.99
Intro CAD Plus £64.99	Pen Pal £44.99
X CAD 2000 £89.99	Wordsworth V1.1 £79.95
X CAD 3000 £239.99	Excellence 3 £79.95
Image Master £106.99	Home Office Kit £49.95
Image Finder £39.95	Pagesetter 2 £39.99
Vista £64.99	Page Stream 2.2 £129.95
Pro Vista £64.99	Saxon Publisher £159.95
VDI Amiga Colour Solution £99.00	Propage 3 £139.95
Pro Draw 3 £89.95	
Music, Midi & Sound	Development & Utilities
Audio Engineer +2 £189	AMOS Starter Pack £39.95
Audiomaster 4 £44.99	Easy AMOS £24.99
Bars & Pipes Pro £174.99	AMOS 3D £29.99
Dr T Copiest Apprentice £69.99	AMOS Compiler £24.99
Dr T KC5 Level II V3.5 £179.95	Cross Dos £34.99
Music X 1.1 £44.95	Dos 2 Dos £24.99
Stereo Master £29.95	Disk Master £34.99
Pro Midi 2 Interface £19.99	Dev Pack 3 £49.95
Techno Sound Turbo £34.99	Directory Opus £24.99
	Lattice C 5.1 Dev Syst £159.95
Video Titling	Quater Back V5 £34.99
Amiga Vision £49.99	Superbase Pro 4 £149.95
Big Alternative Scroller £39.95	X Copy Pro 5.2 £29.95
Broadcast Titler 2 £174.99	Hi Speed Pascal £69.95
Font Pack 1 for above £74.99	Hyper Book £39.99
Font Pack 2 for above £74.99	
Pro Video Post £174.99	Accounting
TV Show £49.99	Home Accounts 2 £34.99
TV Show Pro £59.99	System 3 £39.99
TV Text Pro £69.95	Area Accounts £89.99
Video Director £99.00	Pro Calc £99.99
Can Do V1.6 £74.99	Advantage £34.99
Show Maker £149.00	Day By Day £24.99
Scala 500 £69.99	
Scala Pro £175.00	Educational
	A D I Maths 11-12 £19.95
Animation & Rendering	A D I Maths 12-13 £19.95
Art Dept. £44.99	A D I English 11-12 £19.95
Art Dept Pro 2 £119.95	A D I English 12-13 £19.95
Imagine 2 £174.99	Distant Suns 4 £49.95
Map Master for Imagine £44.99	Fun School s (Each) £19.95
Presentation Master £169.95	GB Route £49.95
Surface Master for Imagine £24.99	
Real 3D Beginners £84.99	APPLICATION STAR BUYS
Real 3D Pro £229.95	Pen Pal £44.99
Sculpt Animate 4D £199.95	Wordsworth 1.1 £79.95
	Home Office Kit - Includes Spreadsheet, Database & Word Processor £49.95
CLUB MEMBERS PRICE ONLY (Prices are already discounted)	

DOT	MATRIX	PRINTERS
STAR LC20 £133.77	CITIZEN SWIFT 224 £204.95	
STAR LC 200 £194.94	CITIZEN SWIFT 224 COL £222.30	
STAR LC 24/200 COL £237.77	CITIZEN SWIFT 24E COL £254.95	
STAR XB 24 200 COL £388.92	CITIZEN SWIFT 24X £379.95	
STAR XB 24 250 COL £466.47	SEIKOSHA SP 1900+ £109.95	
CITIZEN 124/D £115.95	SEIKOSHA 24 PIN SL90 £175.07	
CITIZEN SWIFT 9 £174.95	PANASONIC KXP 1123 £175.07	
CITIZEN SWIFT 9 COL £184.95	NEW PANASONIC 2180 COLOUR PRINTER £199.95	
CITIZEN SWIFT 9X £249.95		

INK JET PRINTERS	LASER PRINTERS
HP PAINTJET £694.95	Oki 400 £527.57
HP DESKJET £339.58	NEW Oki OL410 1Mb inc. HP IIIP Emulation £703.83
HP DESKJET COL £504.08	OKI LASER 810 £1098.62
STAR SJ48 £232.65	OKI LASER 830
CANON BJ10EX £198.58	Postscript 2Mb £1284.27
CANON BJ 20 £316.08	OKI LASER 840
CANON BJ300 £351.33	Postscript 2Mb £1491.07
CANON BJ330 £499.95	

AMIGA BOOKS	
Advanced S. Prog. Guide £24.45	Disk Drives Inside & Out £20.95
3D Graphics Prog..Basic £13.95	Amiga For Beginners £12.95
Amiga Basic Inside & Out £17.45	Graphics Inside & Out £24.45
Amiga C Advanced Prog. £24.45	Machine Language £13.95
Amiga C for Beginners £13.95	Printers Inside & Out £24.45
Amiga DOS Inside & Out £13.95	Systems Prog. Guide £24.45
Amiga Dos Quick Ref. £6.95	Best Tricks & Tips £13.95
Desk Top Video Guide £13.95	Makina Music On Amiga £24.45

TOP 10 TITLES	CLUB MEMBER PRICE ONLY
Sensible Soccer £19.49	Why don't you join Captain Diamond's Discount Club and save a fortune on all your games Personal callers only Normal saving off RRP
Secret Monkey Island II £28.49	25%
Myth £19.49	
Civilisation £26.24	
Striker £19.49	
Hook (1Mb) £19.49	
Fire & Ice £19.49	
Championship Tennis £18.74	
Lure Of The Temptress £23.24	
Push Over £19.49	
AMIGA BUDGET TITLES	
E-Motion, Dungeon Quest, Shufflepuck Cafe, Tower of Babel, Data Storm, Grand Monster Slam, Powerplay, Soccer, Kid Gloves, Predator 2, Carv-Up, Corporation, Cadaver, Line of Fire, Teenage Mutant Ninja Turtles, Back to the Future III, Gunship, Mike Reads Pop Quiz, Gazza II, Monty Pythons Flying Circus.	
ANY FIVE BUDGET TITLES FOR ONLY £20 OR £5 EACH	

DIAMOND SHOPS AROUND THE UK		
232 Tottenham Ct Rd London W1 FAX 071 580 4399	443 Gloucester Rd Bristol Tel 0272 522044 FAX 0272 521738	HEAD OFFICE 84 Lodge Road Southampton Tel 0703 232777 FAX 0703 232 679
1045 High Road Chadwell Heath Romford Tel 081 597 8851 FAX 081 590 8959	1022 Stockport Rd Manchester Tel 061 257 3999 FAX 061 257 3997	UK CORPORATE SALES OFFICE TEL 0703 333184 or 0703 336277 FAX 0703 232679 CONTACT SHARON, DAWN/BARBARA EDUCATION/ GOVERNMENT
144 Ferry Road Edinburgh Tel 031 554 3557 FAX 031 554 2115	406 Ashley Road Poole Dorset Tel 0202 716226 FAX 0202 716160	
LONDON CORPORATE SALES Saran Duffy 071 5804355 Fax 071 580 4399		14 DAYS ADD 2% 30 DAYS ADD 5%

HOW TO ORDER
Simply telephone through your order, giving your Access or Visa card number, or send a cheque or postal order to your local shop. MAIL ORDER Phone.071 580 4355. Prices include VAT unless otherwise stated Minimum Courier Service £11.75. (Corporate Sales, any order under £250 subject to £10.00 Admin charge) Allow 10 working days for cheque clearance. Bankers drafts clear same day. All prices are correct at time of going to press but are only valid until the 10th day of month of publication due to magazines coming out four weeks earlier than issue cover date.
THE DIAMOND PRICE PLEDGE
If, whilst buying goods from us, you can show us a better price for the same goods in stock with one of our UK competitors then we will match it. Even if our prices have increased we will honour the price in this advertisement on items in stock as long as you bring this advert with you. This pledge applies only to customers relying on this advertisement before the 10th day of the month of publication. It does not apply to competitors prices offered in closing down or stock clearance sales.

MAIL ORDER HOTLINE: PHONE 071 580 4259

Anyway back to Move.s. After this we have the subroutine `_move_all`. Last month we placed all our code here, but now we will place our code into new subroutines which `_move_allcalls`. Our man now has 5 variables. These are as follows:

- `man_x` (whereabouts he is horizontally on the screen.)
- `man_y` (whereabouts he is vertically on the screen.)
- `man_vx` (the speed and direction in which he is travelling horizontally.)
- `man_vy` (the speed and direction in which he is travelling vertically.)
- `man_frame` (The current frame of animation that is displayed.)

Inside the first of our new routines `_man_x` is the code to read the joystick, and move the man left and right. Study this. Now if you copy this and place it into `_man_y`, change the variable names to their Y counterparts and then change the following lines:

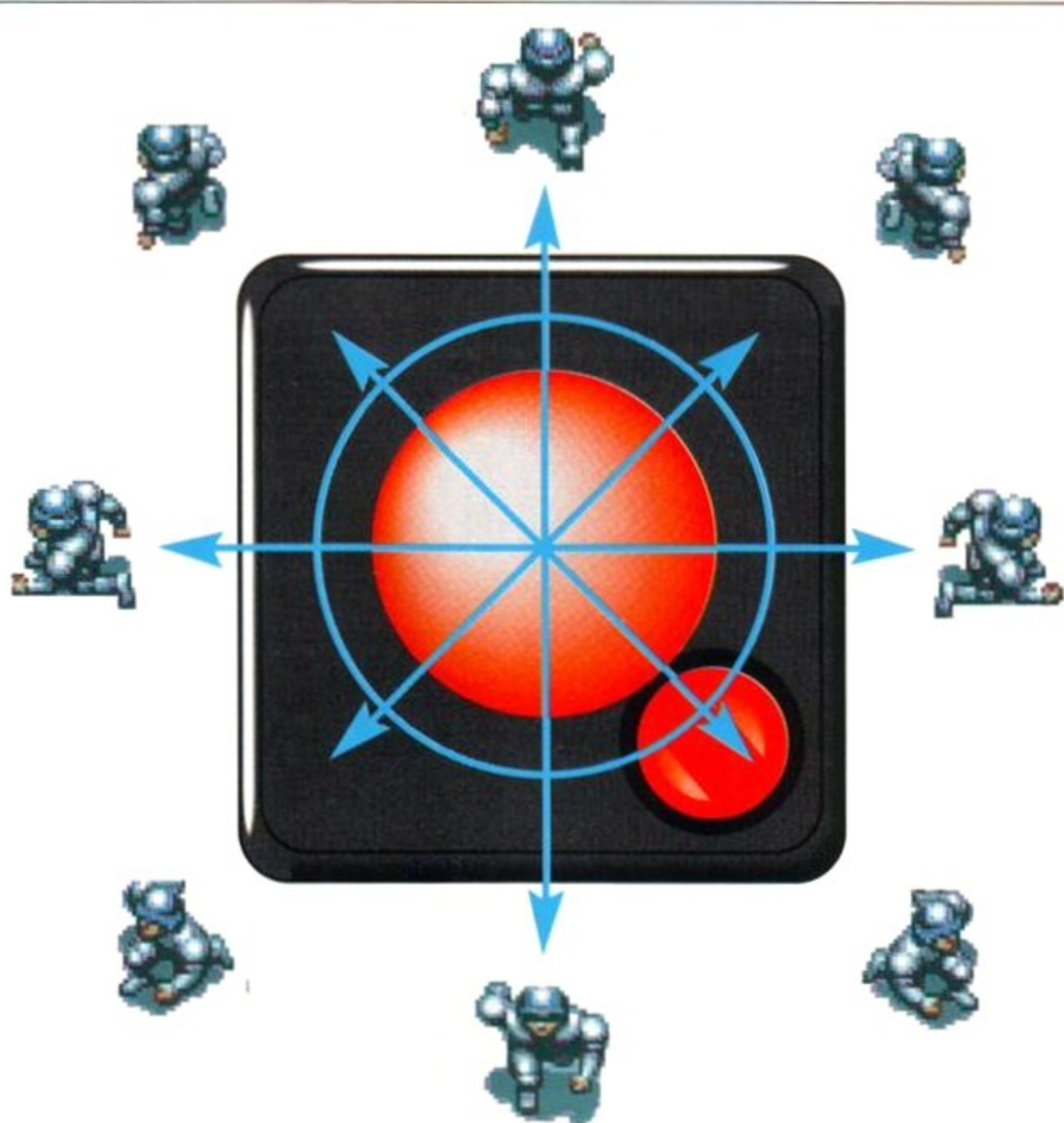
```
cmp.w #300*4,d1 to cmp.w #176*4,d1
move.w #300*4,d1 to move.w #176*4,d1
and place an asr.w #FOUR,d1 into draw.s at line 14. Now you should have momentum on the Y axis. Try it. Did it work? If not go back and study the code again. You probably made a small mistake somewhere along the line.
```

Right, now change the names of the dot labels (those that start with '.') to what they are actually doing. Good, now did you understand that code? If so see if you can change it so that instead of the man stopping when he reaches the edge of the screen, make him bounce off. Basically you change four commands from a `Move.w` to a `Neg.w`. If you did not understand it, don't worry because I will explain now precisely what it is doing.

To start with we pick up the velocity of the man, and the direction in which the joystick is being moved. The joystick will be a 1 if the joystick is going right, 0 if it not moving, and -1 if it is going left. We then multiply the joystick direction by the acceleration and add it to our current velocity.

Now the velocity needs to be checked to make sure that we are not going faster than we

Making game sprites move is more than just working out where they are and finding the right frame. To behave naturally, a sprite has to obey natural laws like gravity, inertia and movement. In addition, the design of a sprite's environment (the *Speedball* pitch is one example) also helps to shape how a character moves. You can break these guidelines - many programmers don't even consider them. But games which do use them tend to be more playable, more fun and more challenging.



want in either direction. First start off by checking in the right-hand direction, and if it is going too fast then scale it down to the minimum speed. Then check the other side and scale it down if need be. OK that's the velocity just about done. We now get our current x position and add the velocity to it. Check the new x position with the left-hand side of the screen, and if we have gone off then move us back on to the screen and stop the velocity.

Test the other side of the screen, and again stop the velocity and move it back on if it has gone off screen. The final piece of code we have in this routine is the slow down. This checks to see if we are moving the joystick, if

we are then we don't want to slow the man down. After this try and find out in which direction you are moving. If you're going left we want to increase our velocity to slow it down. Sounds strange but the maximum left speed is in fact -16, or whatever you change `MAX_SPEED` to. If you are going right you want to decrease our speed. The reason for subtracting 2 and then adding a 1 to the velocity is so that you don't have to branch past the going-left section. Follow that OK?

Now wade through the code in `_man_anim` and see if you can work out what is going on.

Continued on Page 142

That's the way you do it!

Block Programming

- Mouse
- Aliens
- Collide
- Disk
- Keyboard
- Main
- Move
- Draw
- Screen Setup
- Blitter
- Sound
- Music
- Joystick
- Score

Any bug means the whole file must be loaded

This is the block approach, where all code is in one massive block. Difficult to debug and a pain when it comes to going to one end or other of the file; avoid this approach if you want to stay sane!

Module Programming

- Mouse
- Aliens
- Collide
- Disk
- Keyboard
- Main
- Move
- Draw
- Screen Setup
- Blitter
- Sound
- Music
- Joystick
- Score

All bugs are localized. Finding them is easier.

Modular programming, where code is split into smaller blocks with one controller file at the beginning is easier to debug, easier to look through and is generally quicker to work with.

Some people last issue were confused as to how you go about using the Bullfrog development system. Well the idea is that the code is controlled by one file, which loads in all the others. This control file is called `Demo.s`. So as you make changes to other files, you must save them. Then load and assemble `Demo.s` to see the results.

This system has a lot of advantages. Programmers build up a collection of small programs and odd utilities which they use time and again. There's no point keeping them all in the same file though. You might only use one of these routines, and all the others are stuck to it, wasting memory and disk space.

Hence the need to split programs up into many small files. Once assembled, all the code will be in one block anyway. This approach to splitting up programs into small chunks is known as modular programming. Although assembler is not well suited to this approach in some ways, it still makes sense to keep routines in separate files.

FOOTBALL TACTICIAN 2

Widely accepted as the most accurate football simulation available, **FOOTBALL TACTICIAN 2** now offers even more powerful facilities which set it in a class of its own. New features include:

- * Multi-user capability now increased to 46, with new rating system reflecting ability and results.
- * FA Premier League and Division One permanently in memory with full interaction, promotions, transfers, play-offs, local and European Cups.
- * 900 players accurately and meticulously named, with real ages, aptitudes, skills and market valuations. In addition, all European players are also accurately defined.
- * All 88 league referees included with true-to-life behaviour.
- * Built-in intuitive team editor, capable of entering new players and fine-tuning up to 32 parameters.
- * Unique player data link giving access to additional, accurate, historical information on selected players. This feature may be further enhanced by the user himself.
- * More recording facilities: up to 36 matches always recorded IN FULL for instant full-scale replay, plus another 21290 match results and league positions going back 20 years!

FOOTBALL TACTICIAN is the first ever management game that includes strategy as an integral part of a successful campaign. Team selection, needless to say, remains a critical element. Each player in your 20-strong squad is now analysed in up to 20 different aspects, enabling you to select the side best suited for the match in hand. And then to the BIG innovation of **FOOTBALL TACTICIAN**: full on-line, real-time involvement during the match! For the first time ever, you will, as a manager, be able to alter your strategy: choose a defensive or offensive system, mark certain opponents, drop back some of your players if the pressure is tough, decide exactly when substitutions should be made, play the off-side trap, go for quick counters, etc... With full on-screen commentary and minute-by-minute feedback, you're as involved in the match as any of your players! You will soon realise that this is no ordinary soccer manager. THIS is the REAL THING. You're in charge. You manage your side before and during the match. Nothing is left to chance. Can you rise to the challenge? Try **FOOTBALL TACTICIAN** and prepare yourself for the ultimate football experience.

Amongst the many features: intelligent computer behaviour, lively transfer market, ability to replay ANY match of the week with full commentary, three levels of commentary from highlights only to every single ball challenge with all players named, top scorers chart, friendlies, speed control, selectable positions, automatic and intelligent substitutions by computer opponents based on player fitness, fatigue and tactics used; computer opponents will automatically change tactics to respond to situation on the field, and many more!



EVEN BETTER VALUE! With its built-in team editor which itself is a program in its own right, and two divisions now in memory at all times, *Football Tactician 2* is outstanding value. Furthermore, registered users may order the very latest version of FT2, for just £3.50 (program AND data disks) as often as they like!
NO GAME IS MORE UP-TO-DATE: FT2 is updated weekly. Transfers, bids, injuries are updated as they happen. If your football game still lists Des Walker at Nottingham Forest or Paul Stewart at Spurs, then it isn't *Football Tactician*!

Please rush 1 copy of
FOOTBALL TACTICIAN 2 (one meg required) **£22.95**
 Also available:
FOOTBALL TACTICIAN 1 (half-meg machines) **£16.95**
Upgrade from FT1 to FT2 (my reg number is) **£6.95**

I own an AMIGA A500/A500+/A600 ATARI ST/STE

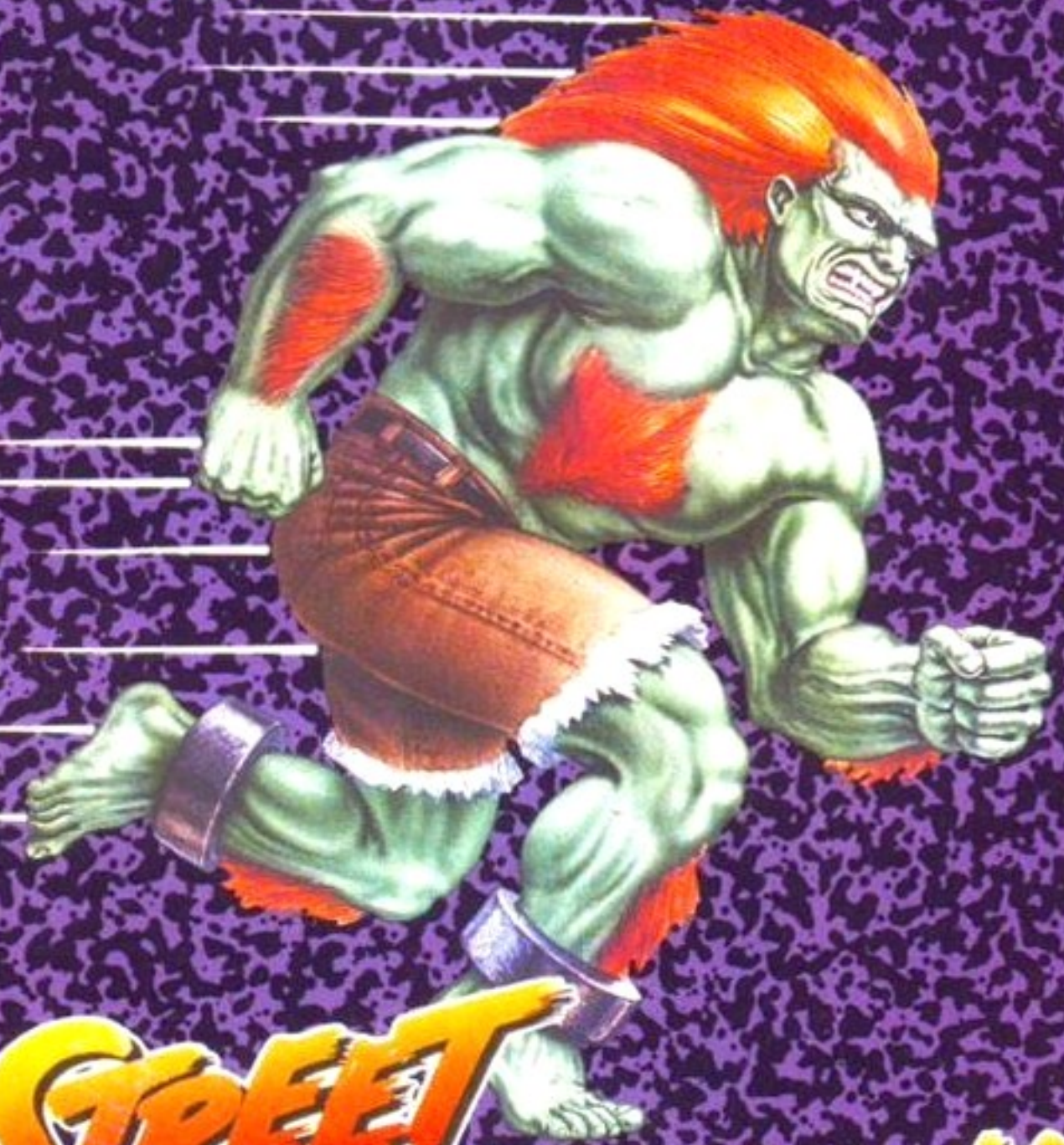
Name _____
 Address _____

I enclose cheque for _____ My Visa number is _____
 Visa or Access orders: same-day dispatch. Overseas please add £1 p&p

TALKING BIRDS 0702 523607

5 Minster Close Rayleigh Essex SS6 8SF

A
 'MONSTER'
 IS ABOUT
 TO BE
 RELEASED..!



STREET FIGHTER II

At last! Street Fighter II, currently the most popular arcade game, is about to become available for your home computer. Ask your dealer when!

'YOU HAVE BEEN WARNED!!'

CAPCOM
 USA

U.S. GOLD

Available on: Spectrum cassette,
 C64, Amstrad CPC cassette & disk,
 Atari ST, Amiga and PC Compatibles.

Street Fighter™ II ©1992 Capcom USA Inc. All rights reserved. Street Fighter™ II is a registered trademark of Capcom USA Inc. Manufactured and distributed under license from Capcom USA Inc by U.S. Gold Ltd., Units 2/3 Holford Way, Holford, Birmingham, B6 7AX.

NEW COMMANDS

Neg.w d0.

This reverses all the bits in d0. This is a great help when you want to change the signs of numbers. For example 5 becomes -5, and -9 will become 9.



Zool is one of the best examples of movement control tweaked to perfection. The main character's behaviour has been developed extremely well.



Myth is one of many games where the control leaves a lot to be desired. The main character moves, but too much time is spent moving. More speed!

You will have noticed that there are loads of other files which we never really touch. The only ones we have used so far are Move.s Demo.s and Draw.s. If you have looked at Demo.s then you will see that loads of things are included from here. Most of these files are for various set ups, ie read the joystick. Others are called from various places inside our code, for example the sprite draw section. One of the more important of these files is Display.s. If you have a look inside Display then you will see the main loop of our program. It starts off by waiting for the vbi. The vbi, or vertical blankinterrupt happens every 50th of a second, and is the time in which the videobeam is travelling from the bottom of the screen, back up to the top.

We then clear the screen, this is so that we don't have the previous screen display at the same time. Clearing the screen is not always the quickest way of doing things, for example you could remove the sprites, and then redraw them. Draw All calls the routines inside of Draw.s, and this is where we draw everything, the man, the blocks, the objects, everything. We then swap the screens. The system you are using is called double buffering. This is where you see one thing on the screen, while you are drawing the next scene on another screen. The screens then swap places, and we draw the next scene (scene 3) on the first screen. Swap places again and so on.

This prevents the graphics from flickering when they are drawn. We then go on to the movement routines, and here we move everything, advance the animation counters, detect for collision, kill off the hero if you can. Check for a key press, if it hasn't been pressed, then loop around and do it all over again. Otherwise exit from here, turn everything back to normal, and terminate the program. That's just about it for this month. Next month we will start to make our small program into a platform game. This includes the need for gravity. See if you can change the

routine for man_y so that gravity plays a part. Good luck.

For the animation of the man you want him to look like he is actually going the way he is facing. There are several ways in to do this. The best way is pick up the current frame of our man. Then have a look at the man's velocity, if this is a zero it means he is not moving, therefore you'll want to display the man facing towards the screen. If the number is negative then the man is running to the left. You have four frames of animation for our man in both directions, so check that the current frame does not exceed the allowed frames, or that if it does you set it back to an allowed frame. And that's it for now... see you next issue.

RECOMMENDED READING

Amiga Machine Language

A practical guide to learning 68000 assembler language on the Amiga



Abacus
A Data Becker Book

Mastering Amiga Machine Language by Stefan Dittich is one of the easier tutorials to get to grips with. Other good reads: *System Programmers Guide* (also Abacus), *Programming the Z80* by Rodney Zaks and *The Hardware Reference Manual*, published by Addison Wesley.

Using this month's code

This month, due to an especially tightly packed Coverdisk, the code has to be dearchived on to a copy (a copy, mark you) of the Devpac disk from last month's issue. In order to get at it, you will need two blank disks for the *Legend of Valour* and *Chaos Engine* demos. Don't give me hogwash that you don't want to see them - they are of the quality every programmer should aspire to.

Anyway, just boot up the Coverdisk but be sure to have two blank disks plus a copy of Devpac handy. After the two demos have been dearchived (which takes only a few minutes) you will then be prompted to enter the Devpac disk. Another minute and all the new versions of code will be dumped on to it, ready for you to use.

```

Dvpac Amiga Version 2.15 Copyright © HiSoft 1988
[ ] Move.s
=====
          .eqv    66, Bullfrog Demo
          .eqv    67, Movement
=====
MAX_SPEED equ     6
ACCEL     equ     4
MAN_LEFT_START equ  444
MAN_LEFT_FINISH equ 144
MAN_STATIONARY equ  44
MAN_RIGHT_START  equ  644
MAN_RIGHT_FINISH equ  944
=====
_nove_all
        jsp     _man_x
        jsp     _man_y
        jsp     _man_anim
=====
Line: 1 Col: 1 Mem:57283
    
```

These are the equates in Move.s that can be altered to give different movement characteristics to the main sprite. Feel free to experiment.

```

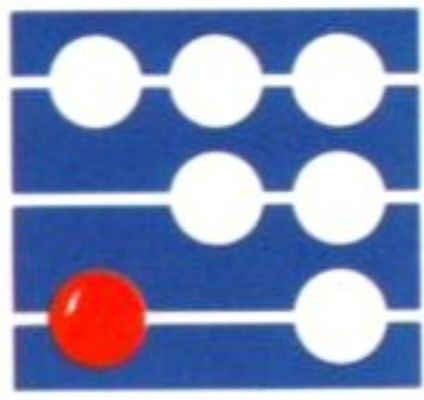
Dvpac Amiga Version 2.15 Copyright © HiSoft 1988
[ ] Move.s
bit.s   _man_nove_left      ;:is he going left
        add.v   #1,d0        ;:no so add 1
        cmp.w   #MAN_RIGHT_FINISH,d0 ;:see if we have got to the en
        bit.s   .finished_anim ;:if not then we have
        move.v  #MAN_RIGHT_START,d0 ;:otherwise replace w/
        bra.s   .finished_anim ;:again we have finish
;:OK so we are
_man_nove_left
        sub.v   #1,d0        ;:subtract 1 f
        cmp.w   #MAN_LEFT_FINISH,d0 ;:have we got to end 0
        bgt.s   .finished_anim ;:no then we have fini
        move.v  #MAN_LEFT_START,d0 ;:yes, so restart anim
        bra.s   .finished_anim ;:again we have finish
;:the man is 0
_stationary_man
        move.w  #MAN_STATIONARY,d0 ;:so lets put the anim
        .finished_anim
        move.v  d0,_man_frame ;:so put back current
        rts
;:
;:
Line: 89 Col: 1 Mem:57283
    
```

Here are the dot levels. Study the notes on the right very closely before you alter anything of the code. Assembling the changes should help understanding.

```

Dvpac Amiga Version 2.15 Copyright © HiSoft 1988
[ ] Display.s
MAN_DISPLAY = 1
FUNC_MUSIC = 0
PLANE_SIZE = SCREEN_WIDTH*SCREEN_HEIGHT
=====
_display
        vdef    _display
        move.l  d0-d7/a0-a6,-(sp)
        jsp    _set_up_disc
        repeat
        jsp    _wait_vbi ;:wait for a
        jsp    _clear_screen
;:
        move.w  #0707,(COLOR).1
        jsp    _draw_all ;:draw all th
;:
        jsp    _swap_screens ;:display the screen
        jsp    _nove_all ;:move all th
=====
Line: 1 Col: 1 Mem:57283
    
```

This is the main loop of the program, held in the file display.s. Be cautious about changing this area of code, as the results can be very far reaching.



CALCULUS

COMPUTER STORES

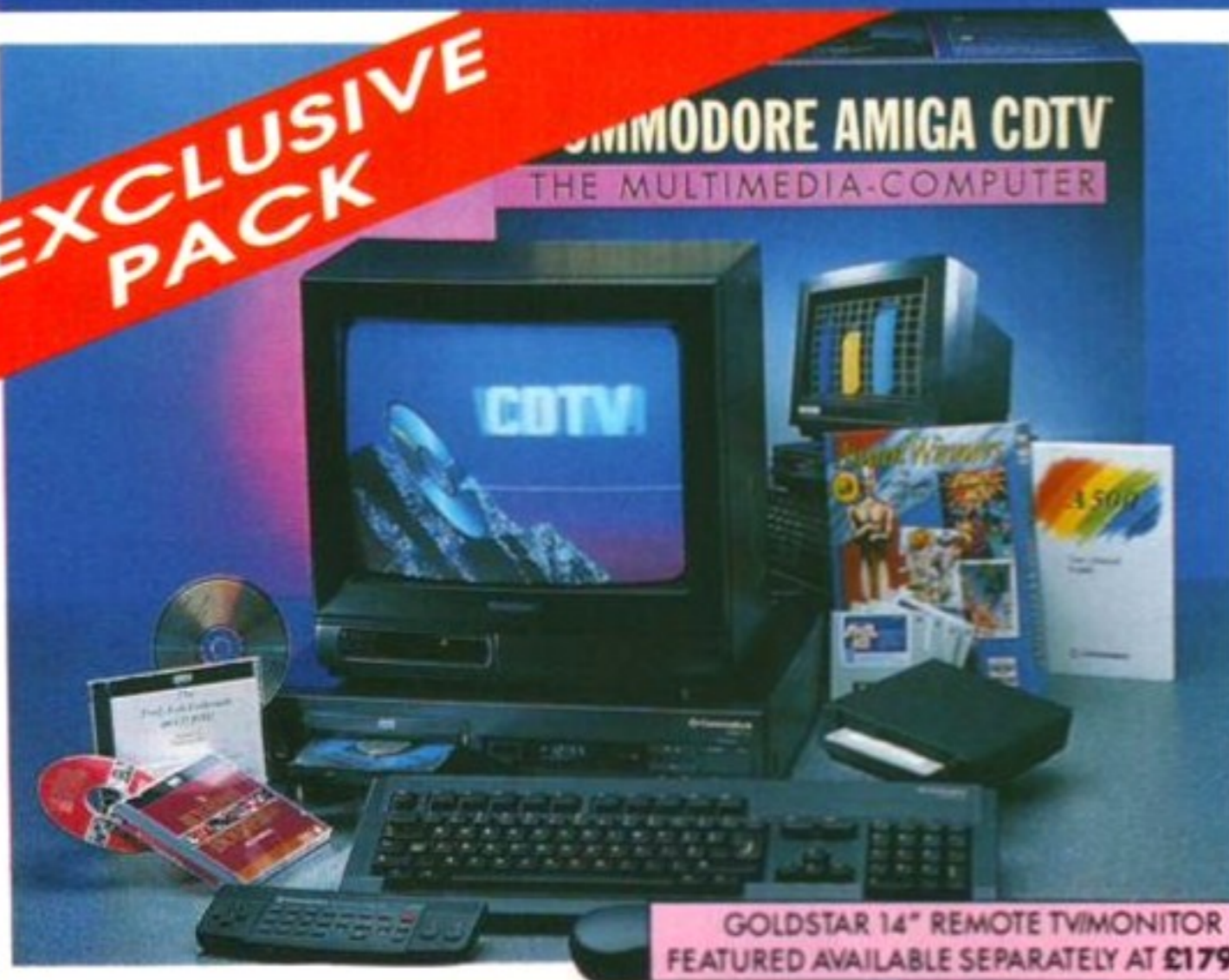


FOR YOUR LOCAL
CALCULUS STORE

TEL: 0543 251275

Phone lines open 9.30am to 5.00pm (Mon. to Fri.)
and 9.30am to 4.30pm (Saturdays)

**EXCLUSIVE
PACK**



COMMODORE AMIGA CDTV
THE MULTIMEDIA COMPUTER

GOLDSTAR 14" REMOTE TVMONITOR
FEATURED AVAILABLE SEPARATELY AT £179.99

AMIGA CDTV MULTI MEDIA PACK

The all new Amiga Multi Media value pack is only available from Calculus. Another first for the UK's largest computer group.

- Amiga CDTV
- CDTV 1411 3.5" Disk Drive
- CDTV Welcome Disk
- CDTV Keyboard
- Infra Red Remote Control for Amiga Software
- CDTV Wired Mouse
- Fred Fish Disk

FREE Hutchinsons Encyclopedia CDTV title worth £49.99

FREE Award Winners 4 top games pack worth £122.52
Pipemania, Space Ace, Kickoff 2 and Populous.

CALCULUS
PRICE

£499.99

**£222
OFF**

REVOLUTIONARY 65Mb CDTV

MULTIMEDIA PACK

The revolutionary Commodore Amiga CDTV is now exclusively available with an internal 65Mb SCSI hard drive and an SCSI controller card. The new Encore controller card has an additional external SCSI port, to connect upto 7 SCSI devices.

**IT'S HERE &
EXCLUSIVE TO
CALCULUS
STORES
THE 65Mb
CDTV HD**

SPECIFICATION

- CDTV Multi Media Pack with the addition of the following:
- High speed SCSI controller with internal and external connectors
- 65Mb High Speed SCSI 3.5" Hard Drive
- Workbench 1.3 disks and manual

CALCULUS
PRICE

£799.99



COMMODORE MPS 1230



FREE SOFTWARE

	RRP
D-PRINT	£99.00
AMIGA LOGO	£49.95
AMIGA VISION	£49.95
Worth:	£198.90

YOURS FREE

A high quality 9 pin Dot Matrix Printer with paper & tractor feed and is fully compatible with Epson FX80 and IBM Industry Standards. High speed 120 CPS draft mode and an NLQ mode of 25 CPS.

D-PRINT Add artistic flourish to designing greetings cards, letterheads and posters using high quality graphics.

AMIGA LOGO Educational and programming language.

AMIGA VISION A Multi-Media Authoring System that brings together Video, Animation, Sound, Speech, Graphics and Text Applications.

RRP - £368.89

CALCULUS
PRICE

£139.99

**SAVE
£228.00**

PHONE 0543 251275... FOR YOUR LOCAL STORE... PHONE 0543 251275.

ZAPPO EXTERNAL HARD DRIVE

Flagship of the exciting new Zappo range, the Zappo A500/500 + hard drive provides speed, power and capacity at an exceptional price.

Up to 8Mb of fast RAM expansion, SCSI and IDE Hard Drive compatible, the Zappo Hard Drive comes with a superfast 40Mb Hard Drive for only £299.99 or a massive 65Mb Hard Drive for only £349.99

- Auto Booting – upto 8Mb fast RAM expansion
- SCSI throughport for additional expansion
- Mouse button game switch ● 12 months Warranty.



CALCULUS
PRICE FROM

£299.99



AMIGA 1084s STEREO

MONITOR

MASSIVE PRICE REDUCTION



Commodore's original and best-selling stereo monitor is fully compatible with all Amiga products and gives your system the total Commodore look.

With our new Calculus price the 1084s has never been better value. ● Stereo Sound ● High Resolution Display

- Ergonomic Design ● Full Amiga Connectivity pack
- Compatible with all Amiga products

RRP £299.99

CALCULUS
PRICE

£189.99

ZAPPO 601 RAM EXPANSION

The new Zappo high performance RAM upgrade for the Amiga 600 allows the full power of serious applications and high performance games to be unleashed. The Zappo 601 is supplied with 512K RAM and is fully upgradable to 1Mb, with the option of a battery backed clock.

- Optional Battery Backed Clock ● Enable/Disable Facility ● Socketed Design for easy user upgradability ● 12 months Warranty.



CALCULUS
PRICE

£29.99

ZAPSAC & T-SHIRT

ZAPSAC Zany, zippy 'Zapsac' carry case designed for complete protection of your Amiga and your credibility!!!

£12.99

ZAPPO T-SHIRT

Lead the pack with a 'Zappo' T-Shirt, like your Amiga, it's got crucial cred.

£8.99



AMIGA A570CD DRIVE

NOW
IN
STOCK

The A570 will not work with all Amigas. Consult your local Calculus Dealer before buying.
IMPORTANT.



FRED FISH
MEGADISC
Collection No's
1-660

PLUS



The new A570 is a high capacity read-only storage device for the A500 series*. Just like the Amiga CDTV your new A500 and A570 system will allow you to play CDTV titles plus normal audio CD's, CD+G and CD+midi disks. The A570 is easy to connect, no software installation is required, you can continue to use your Amiga Keyboard, mouse and monitor for inputs and displays. The A570 also reads industry standard (ISO 9660) format CD-ROM disks.

*For CDTV emulation you need a configuration standard of 2.04 Amiga operating system plus a minimum of one megabyte of chip RAM.

CALCULUS
PRICE

£349.99

ZAPPO EXTERNAL 3.5" DRIVE



A superb quality external drive for the Amiga 500/500+ and Amiga 600. Featuring a low profile 880K formatted capacity drive with enable/disable switch and full daisy chain capability. Another product in the exciting new Zappo range of computer peripherals.

CALCULUS
PRICE

£54.99

AMIGA A600

WILD, WEIRD & WICKED

EPIC PACK



The latest in Commodore's legendary Amiga packs, the Wild, Weird and Wicked starter pack contains lots of wacky goodies. Built around the latest Amiga A600, with 8 amazing software titles we've included (totally free of charge!) the 'Zapsac' Amiga carry case and for total street cred. — a 'Zappo' T-Shirt — mega crucial gear.

PACK CONTAINS

- Amiga A600 single drive
- Built in TV Modulator
- 1Mb memory
- Push Over
- Silly Putty
- Grand Prix
- Deluxe Paint III
- Mouse and Manuals

FREE SOFTWARE

- Space Ace worth £45.93
 - Kickoff 2 worth £25.53
 - Pipemania worth £25.53
 - Populous worth £25.53
- £122.52 FREE**

RRP £494.49

CALCULUS PRICE

£349.99

Includes Award Winners ZAPSAC & T-SHIRT

Epic pack, Epic software, legendary computer, another stunning Amiga pack from Commodore. Epic, Rome and Myth software titles set the flavour of this pack, with Trivial Pursuits Language Lab edition (in three languages), Deluxe Paint III (for amazing computer graphics) and the Amiga Text wordpro' providing the creative/educational element. Add to that an Amiga with a built in Hard Disk and you've got a fabulous Amiga package deal. For even greater value we've included the Award Winners software pack, crucial 'Zapsac' Amiga carry case and zippy 'Zappo' T-Shirt.

PACK CONTAINS:

- Amiga A600HD (Hard Disk)
- Built in TV Modulator
- Mouse and Manuals
- 1Mb Memory
- EPIC, Rome, Myth, Trivial Pursuits (language lab edition), Amiga Text, Deluxe Paint III.

FREE SOFTWARE

- Space Ace worth £45.93
 - Kickoff 2 worth £25.53
 - Pipemania worth £25.53
 - Populous worth £25.53
- £122.52 FREE**

Includes Award Winners ZAPSAC & T-SHIRT

RRP £644.49

CALCULUS PRICE

£499.99

AWARD WINNERS PACK

Award Winners presents 4 of the greatest games of all time in one fantastic value pack.

- **SPACE ACE** Space Ace: Winner of the best animation in the European Computer Leisure Awards 1990.
- **KICK OFF 2** — Hailed worldwide as the greatest soccer game of all time.
- **PIPE MANIA** is "a classic puzzle arcade game that is so addictive it should come with a Government Health Warning". C&VG Feb 1990.
- **POPULOUS** Ever wanted to play God? One of the most original games ever written. Golden Joystick Award — Most original game of the year.

EXTRA GIFT

ZAPSAC Zany, zippy 'Zapsac' carry case designed for complete protection of your Amiga and your credibility!!!

£12.99

ZAPPO T-SHIRT

Lead the pack with a 'Zappo' T-Shirt, like your Amiga, it's got crucial cred.

£8.99

NEW LOW PRICE COMMODORE A601

Our bulk buying power has allowed Calculus to secure a new low, low price.

A601
½ Meg
upgrade

£22.95

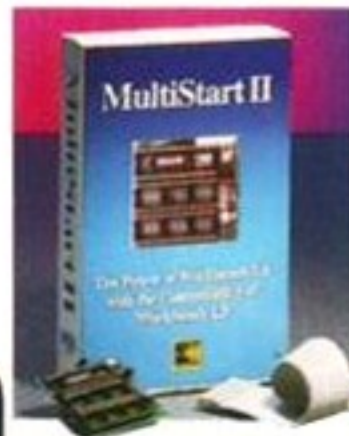
MULTISTART II – ROM SHARER WITH 1.3 ROM

The MultiStart II allows you to install Kickstart V2.0 and V1.3 ROMs into your computer and switch between them with the keyboard. You can also install a third ROM on the MultiStart II. Being able to switch between 1.3 and 2.0 allows you to stay compatible with all your older software that won't operate under the new operating system. It's easy to install, with no external wires or switches required. Includes 1.3 ROM

RRP – £74.99

CALCULUS PRICE

£39.99



THE FIRST
DEDICATED
CALCULUS
STORES
NOW OPEN
PHONE
0543
251275
TO FIND
THE
NEAREST
ONE TO YOU

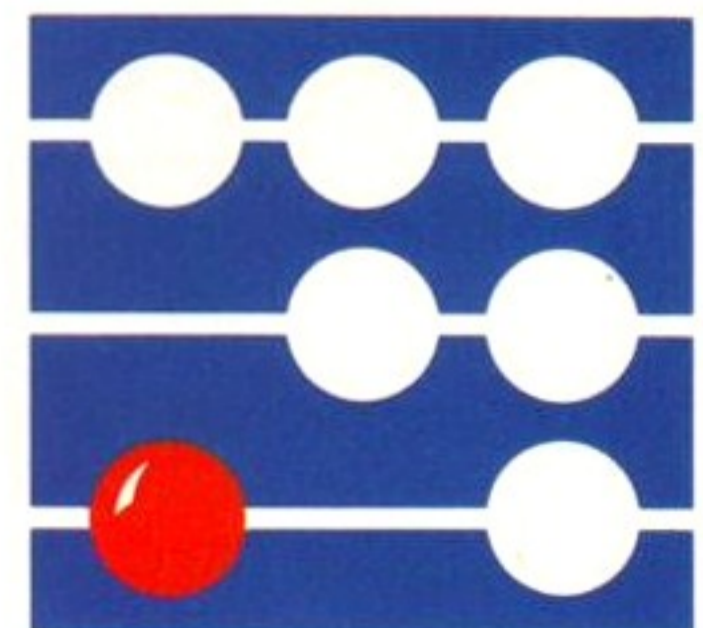
NEW CONCEPT STORES

3 new Calculus stores open in October designed to be the ultimate Commodore Centres. From A3000 systems running 24-bit graphics to the best of Calculus deals a visit could change your life.

Calculus Northwich, Cheshire & Burton-on-Trent, Staffs.
CALL OUR DATABASE FOR OPENING DETAILS.



ALL CALCULUS OFFERS ARE FOR THE MONTH OF PUBLICATION ONLY



CALCULUS

COMPUTER STORES



AMIGA 1500 STARTER PACK



- **AMIGA 1500 'CALCULUS' STARTER PACK** Amiga 1500 Dual Drive, 1Mb RAM Mouse, Manuals and Amiga DOS.
- **THE WORKS - PLATINUM EDITION** A full integrated software package with Word Processor (inc. English Dictionary) Spreadsheet and Database Package.
- **DELUXE PAINT III** Probably the best paint package available, allowing you to display your hidden talents. This award winning software allows you to paint, design or animate.
- **HOME ACCOUNTS** Home accounts with budgeting, forecasting and graphics.
- **ELF** - You will encounter Cornelius the Elf on your travels in the mystical lands of Gooks and Goblins. Weird villainous creatures and devious puzzles test your gameplay techniques and gnostic powers.
- **TOKI** - The arcade sensation that swept the world. Toki has been transformed into a monkey by the evil wizard. He must now try to regain his manhood and rescue his beloved princess Miho. Join Toki on his mythical adventure, full of demons and deadly witchcraft.
- **PUZZNIC** - A puzzle game to top them all. It's fast, furious and devilishly addictive. With 144 levels, the action never stops.

RRP - £699.99
CALCULUS PRICE

£529.99

AMIGA 1500 BUNDLES

AMIGA 1500 HARD DISK PACK

Take an Amiga 1500 Starter Pack, add a Quantum 52Mb Hard Disk and be able to run all the best Amiga games and business software.

CALCULUS PRICE

£799.99

AMIGA 1500 HARD DISK/PRINTER PACK

Add a Panasonic KX-P2180 Quiet Colour Printer to our 1500 Hard Disk Pack and enter the world of Amiga Desktop Publishing and colour graphic printing, wordprocessing and much, much more.

CALCULUS PRICE

£969.99

PANASONIC KX-P2180



The new Panasonic KX-P2180 9 pin quiet colour printer. Produces crisp clear text in mono or in 7 glorious colours with new quiet technology. The new KX-P2180 is typically 15dBA quieter in operation, than the competition.

- **Fast Printing Speeds** 192CPS Draft and 38 CPS NLQ
- **Colour Printing** 7 colour palette (blue, red, green, yellow, violet, magenta and black)
- **QuietPrinting** Super quiet 45-48dBA sound level (most matrix printers are typically in excess of 60dBA)
- **6 Resident Fonts** Over 6,100 type styles using Courier, Prestige, Bold PS, Roman, Script and Sans Serif Fonts
- **3 Paper Paths** Paper handling from bottom, top and rear for total flexibility
- **1 Year Warranty** For total peace of mind

CALCULUS PRICE

£199.99

PANASONIC KX-P2123



The new high performance Panasonic KX-P2123 24 pin. Quiet colour printer offers leading edge quiet printing technology at an affordable price.

- **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ and 32 CP SLQ.
- **Colour Printing** 7 colour palette (blue, red, green, yellow, violet, magenta and black)
- **QuietPrinting Supe** quiet 43.5-46kBA sound level (most matrix printers are typically in excess of 60dBA)
- **7 Resident Fonts** Over 152,000 type styles using Super LQ, Courier Prestige, Bold PS, Roman, Script and Sans Serif Fonts
- **24 PIN Diamond Printhead** High performance and high quality output
- **1 Year Warranty** for total peace of mind.

CALCULUS PRICE

£229.99

AMIGA 3000B MULTI MEDIA SYSTEM

The new State of the Art Amiga 3000B is the ultimate Amiga. Opal Vision is the ultimate 24-bit graphics and video solution with instant freeze frame and multiple grabs as full 24-bit images. Complete with its Roaster Chip adding Toaster style features including real-time processing and morphing of live video.

AMIGA 3000B DESKTOP

68030 processor running at 25Mhz
 3Mb RAM (2Mb video and 1Mb fast RAM)
 expandable to 18Mb
 52Mb Hard Drive
 512Kb of 32 bit ROM
 3.5" 880K floppy drive with 3.5" spare drive bay
 4 Zorro III slots with 2 aligned PC AT slots
 8 bit D/A converter.
 Full range of monitor options available.



Features
3Mb
 System
 RAM

WITH MONITOR AND
 SOFTWARE OPTIONS

EXCLUSIVE
 PRICE
 CALCULUS
 PRICE

£1229.00
 Ex VAT

TOWER SYSTEM
 AVAILABLE
 FROM

£1999.00
 Ex VAT

OPAL VISION 24-BIT GRAPHICS BOARD

Experience the awesome power and quality of 24-bit graphics with the Opal Vision Video Expansion System — at a fraction of the cost of competitive boards. A superb range of software to fully exploit the amazing graphic capabilities of Opal Vision is included in our incredibly low price.

A complete range of enhancement modules will shortly be available to give Opal Vision similar graphic capabilities to the legendary Video Toaster. These include a Frame Grabber/Genlock module, Opal Vision Roaster Chip, Scan Rate Converter (de-interlacer) and a Quad-input Production Switcher module. All modules provide broadcast quality effects and facilities at a previously unheard of price.

SOFTWARE INCLUDES:



OPAL PAINT a powerful 24-bit graphic creation tool utilising the full 16.8 million Opal Colour Palette with a vast array of brushes and effects to produce superb and stunning results.



OPAL PRESENTS a powerful presentation package giving complete control over Amiga graphics and live video images (with optional Frame Grabber/Genlock).



OPAL VISION HOTKEY a control program to manage the display of Opal Vision and Amiga graphics together with a range of other Opal Vision features utilising simple keystrokes etc.



KING OF KARATE the worlds first 24-bit graphics computer game, complete with unbelievable graphics, music and sound effects.

CALCULUS
 PRICE

£599.00
 Ex VAT

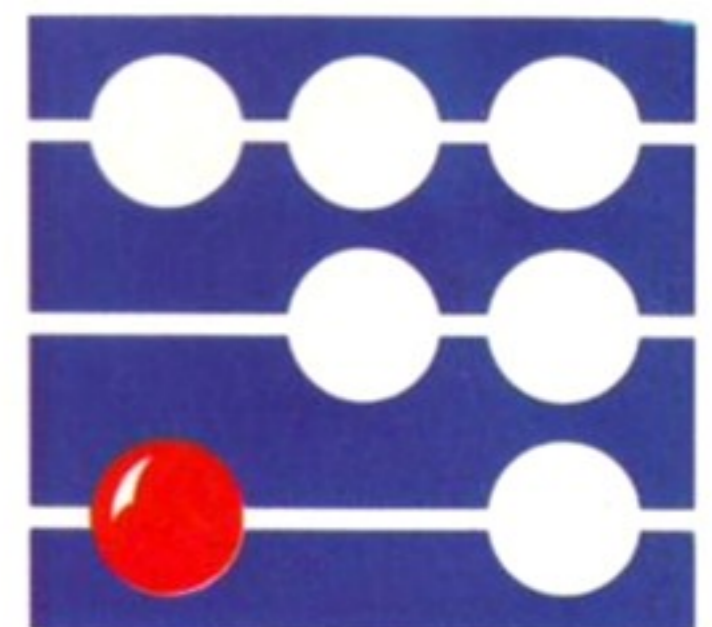
VISIT
 YOUR LOCAL
 CALCULUS
 STORE FOR
 A FREE
 DEMONSTRATION

OVER ONE HUNDRED
 AND FIFTY STORES
 THROUGHOUT
 THE U.K.
 FOR MORE
 INFORMATION AND
 THE LOCATION
 OF YOUR LOCAL
 CALCULUS STORE
 PHONE

**0543
 251275**

COMPUTER DATABASE
 OF CALCULUS STORES

ITEMS HELD IN STOCK MAY
 VARY FROM STORE TO STORE



CALCULUS

COMPUTER STORES

YOUR LOCAL STORE... PHONE **0543 251275**... FOR YOUR LOCAL STORE...

Welcome to the section of the magazine committed to bringing you the very best in serious product reviews. Here we cover the hardware and software that makes the most out of your Amiga. If it isn't a game, we'll examine it thoroughly, and paint you the full picture on the following pages. No games, no gimmicks, just honest opinions and intelligent criticisms.

From hardware, like memory expansions and hard drives, through to software, like word processors and art packages: it's all in here. We'll tear it apart, put it through its paces and tell you the facts. What good is a spelling-checker that can't spell? Who needs a printer that can't print from Workbench? If it doesn't do the job you want it to, it's no use. We try it before you buy it, and if it's no good, we say so.

For more than two years on the trot, *Amiga Format* has been voted by computer retailers as the magazine to trust. They know that they can rely on us to save them from stocking a warehouse-full of garbage. And if we can save them money, we can save you money too. We'll even explain how you can get the best out of what you've bought. All our reviewers are Amiga experts. So sit back, read our reviews and hang on to your cash until you know it's safe to spend.

Contents

We've got a wide range of software and hardware under the *Amiga Format* microscope this month, and this is where you'll find it all.

WORD PROCESSOR ROUND-UP _____ 151

What kind of word-engine do you need for the job? A quick word chuncher or do you need graphics capabilities? We tell you.

ALFA DATA OCR SCANNER _____ 164

Turn text on paper into text on screen, with no typing.

FUN SCHOOL: SPELLING FAIR _____ 168

Europress's new spelling test gets a thorough examination with this Fun School extension.

GP FAX _____ 173

Got a modem? Then how about turning it into a fax machine with this software?

XCAD 2000 _____ 176

Find out what's on offer in this sophisticated design package, that rivals many professional CAD programs.

AMOS PROFESSIONAL _____ 180

The next line in the AMOS series. Could this be the greatest piece of software we've ever seen?

DIGITISERS ROUND-UP _____ 185

We name the best hardware you can buy for turning your videos imagefiles for your Amiga.

How the Rating System works

SPEED (marked out of 5) ●●●●●

Tremendously important for both hardware and software: there's nothing more annoying than waiting. A purely intuitive judgement.

DOCUMENTATION (out of 5) ●●●●●

Although there are some packages that are so simple that no manual is needed, complex items benefit hugely from a good explanation.

ACCESSIBILITY (out of 5) ●●●●●

The target for all good software should be powerful but simple: this rating assesses how easy it is to get to grips with the item.

FEATURES (out of 5) ●●●●●

Does it do what you want it to do? How well does it do it? And does it also do lots of other things that you'd never have thought of?

VALUE (out of 5) ●●●●●

A pretty important rating, this one: if a package does everything you could wish for, it's no use to you unless you can afford to buy it.



The start of something 'serious'

Greetings! You are now entering the 'serious' section, where you'll find hard-hitting reviews of hardware and software. Find out what's under scrutiny this month...



Word processor round-up

Nowadays, all the world's greatest authors use word processors, including Stephen King, the famous horror novelist. The days of the typewriter are long gone, and it's time for your Amiga to take over. In this packed round-up, we look at the best and the worst in the WP market. From *Wordworth* 1.1 to *Quickwrite* 3.1, they're all here, battling it out for supremacy on... **Page 151**

Digitiser round-up

In the second of our big round-ups this month we look at eight of the best digitisers you can buy for your Amiga. Whether you just want to get the best from your TV-grabbing exploits, or you're thinking of messing around with stills from your home movies, you need to read this. Which one really does give you the true picture: DigiView Gold or the VIDI Complete Colour Solution? Find out on... **Page 185**



Alfa Data OCR Scanner

We've all heard about paperless offices, but still the place is full of the stuff. Perhaps Alfa Data's new hand-held scanner can turn some of those paper piles into neat and tidy bits and bytes. They call it Optical Character Recognition, and it can turn words on paper into words on screen in seconds flat. Find out how we rated it on... **Page 164**



XCAD 2000

For a professional CAD image, you need a professional-quality CAD package. Is *XCAD 2000* just that? It's cheap enough not to blow a hole in your budget and it's packed with things that make engineering drawings as simple as scribbling. Find out how we have rated this newcomer... **Page 176**

WIZARD GAMES

	Amiga	ST		Amiga	ST		Amiga	ST
4D SPORTS BOXING	16.49	N/A	GUY SPY	19.99	19.99	PGA GOLF - DATA DISK	12.99	N/A
4D SPORTS DRIVING	16.49	N/A	GLOBAL EFFECT	19.99	N/A	PITFIGHTER	14.99	14.99
A320 AIRBUS	24.49	24.99	G-LOC R360	19.99	19.99	PINBALL DREAMS	16.49	16.49
A10 TANK KILLER ENH	21.49	21.49	GOBLIINS	16.99	16.99	PLAN 9 FROM OUTER SPACE	22.99	22.99
ADDAMS FAMILY	16.49	16.49	GRAHAM TAYLOR SOCCER CHALLENGE	16.99	16.99	POOLS OF DARKNESS	19.99	19.99
A-TRAIN	TBA	TBA	GAMES ESPAGNA 92	19.99	19.99	POPULOUS II	19.99	19.99
AIR SUPPORT	16.99	N/A	HAGAR THE HORRIBLE	16.99	N/A	POPULOUS/SIM CITY	19.99	19.99
AIR WARRIOR	24.49	24.49	HARLEQUIN	16.49	16.49	POWERMONGER	18.99	18.99
APIDYA	16.49	16.49	HEART OF CHINA	22.99	N/A	PROJECT X	16.99	N/A
AQUAVENTURER	16.99	16.99	HEIMDALL	19.49	19.49	PLAYER MANAGER	13.49	13.49
ASHES OF EMPIRE*	18.99	18.99	HOOK	16.99	16.99	PERFECT GENERAL*	23.99	N/A
ARSENAL FC*	16.99	N/A	HOSTILE BREED	16.99	16.99	PREMIERE	20.99	N/A
AIR BUCK*	16.99	16.99	IAN BOTHAMS CRICKET	16.49	16.49	PRINCE OF PERSIA	16.99	16.99
AMBERSTAR	19.99	TBA	I. JONES FATE OF ATLANTIS	18.99	18.99	PUSHOVER	16.99	16.99
B17 FLYING FORTRESS*	TBA	TBA	ISHAR	19.99	N/A	RBI 2 BASEBALL	12.99	12.99
BARDS TALE III	16.49	N/A	INTERNATIONAL SPORTS CHALLENGE	19.99	19.99	RISKY WOODS	17.99	N/A
BEAVERS	16.99	16.99	JAGUAR XJ220	16.99	16.99	REALMS	19.99	19.99
BEASTMASTER	16.99	N/A	JIMMY WHITE'S SNOOKER	16.99	16.99	RED BARON	22.99	N/A
BEAST 3	19.99	N/A	JIM POWER	16.99	16.99	RED ZONE	17.99	17.99
BIRDS OF PREY	23.49	23.49	JOHN MADDEN'S FOOTBALL	16.49	N/A	RAILROAD TYCOON	23.49	23.49
BLUES BROTHERS	16.49	16.49	J.BARNES EURO FOOTBALL	16.49	16.49	ROBOCOD	16.49	16.49
BANE OF THE COSMIC FORGE	24.99	N/A	KICK OFF 2	12.99	12.99	ROBOCOP 3	16.49	16.49
BUG BOMBER*	16.99	N/A	K.O.2 FINAL WHISTLE	8.49	N/A	ROBOSPORTS*	16.99	N/A
BLACK CRYPT	16.99	N/A	K.O.2 GIANTS OF EUROPE	8.49	8.49	RUGBY - THE WORLD CUP	16.49	16.49
BATTLE ISLE	18.99	N/A	K.O.2 RETURN TO EUROPE	8.49	8.49	SENSIBLE SOCCER	16.99	16.99
CARL LEWIS CHALLENGE	16.99	16.99	K.O.2 WINNING TACTICS	8.49	8.49	SHADOWLANDS	19.99	19.99
CURSE OF ENCHANTIO*	23.49	N/A	KNIGHTMARE	19.99	19.99	SILENT SERVICE II	21.49	21.49
CAMPAIGN*	TBA	TBA	KNIGHTS OF THE SKY	23.49	23.49	SIM EARTH*	TBA	TBA
CATCH-EM*	16.99	N/A	KILLING GAME SHOW	15.99	15.99	SHUTTLE	21.99	21.99
CENTURION	16.49	16.49	LAST NINJA 3	16.99	16.99	SIM ANT	22.99	22.99
CELTIC LEGENDS	18.99	18.99	LEANDER	16.49	16.49	SPACE CRUSADE	16.99	16.99
CHAMPIONSHIP MANAGER	16.99	16.99	LEGEND	19.99	19.99	SPACE QUEST IV	23.99	N/A
CIVILISATION	23.49	23.49	LEISURE SUIT LARRY 5	23.49	N/A	SPECIAL FORCES	22.49	22.49
CONQUEST OF THE LONGBOW*	23.49	N/A	LEMMINGS	16.49	16.49	STORM MASTER	19.99	19.99
COOL CROC TWINS	16.99	16.99	LEMMING DATA DISK	13.49	13.49	STRIKER	16.99	16.99
COVERT ACTION	23.49	23.49	LEMMINGS - STAND ALONE	16.49	16.49	SUPER TETRIS	20.99	20.99
CALIFORNIA GAMES II	16.99	16.99	LIFE + DEATH	16.49	16.49	SUPER SPACE INVADERS	17.99	17.99
CRAZY CARS 3	16.99	16.99	LIVERPOOL	16.99	16.99	SUSPICIOUS CARGO	14.99	14.99
CRUISE FOR A CORPSE	16.99	16.99	LINKS	24.49	N/A	SWORD OF HONOUR*	25.99	N/A
CREATURES 2	16.99	N/A	LOTUS TURBO CHALLENGE 2	16.49	16.49	TREASURE OF SAVAGE FRONTIER*	22.99	N/A
DUNGEON MASTER CHAOS STRIKES BACK	16.99	16.99	LOTUS 3 ULTIMATE CHALLENGE*	16.99	16.99	TEAM YANKEE II - PACIFIC ISLAND	19.99	19.99
DELIVERANCE	16.99	16.99	LORD OF THE RINGS	20.99	20.99	TENNIS CUP 2	16.99	16.99
DARK QUEEN OF CRYNN	22.99	N/A	LURE OF THE TEMPTRESS	20.99	20.99	TERMINATOR 2	16.49	16.49
D-GENERATION	17.49	17.49	MAGIC POCKETS	16.49	16.49	THE GODFATHER	17.99	17.99
DUNE	20.99	N/A	MAN UTD EUROPE	16.49	16.49	THE MANAGER	20.99	20.99
DYNABLASTER	19.99	19.99	MEGA FORTRESS	17.99	17.99	THE OATH*	16.99	TBA
DOJO DAN	16.99	N/A	MEGA TRAVELLER II	20.99	20.99	THEIR FINEST HOUR	19.49	19.49
ELVIRA 2	22.99	22.99	MEGA LO MANIA/FIRST SAMURAI	19.99	19.99	THEIR FINEST MISSION	11.99	11.99
EPIC	18.99	18.99	MEGA SPORTS	16.99	16.99	TITUS THE FOX	16.99	16.99
EUROPEAN CHAMPION FOOTBALL	16.99	16.99	MEGA TWINS	16.49	16.49	UGH*	16.99	TBA
EYE OF THE BEHOLDER	19.49	N/A	MICROPROSE GOLF	23.49	23.49	ULTIMA VI	20.49	20.49
EYE OF THE BEHOLDER II	22.49	N/A	MIDWINTER 2	22.99	22.99	UTOPIA	19.99	19.99
F15 STRIKE EAGLE II	23.49	23.49	MIGHT + MAGIC III	22.99	N/A	VIDEOKID	16.49	16.49
F19 STEALTHFIGHTER	19.49	19.49	MONKEY ISLAND	16.99	16.99	VROOM	15.99	15.99
F117A STEALTHFIGHTER II*	21.49	21.49	MONKEY ISLAND II	24.49	N/A	VIKINGS	16.99	N/A
FORT APACHE	15.99	N/A	MOONSTONE	20.49	N/A	WINTER SPORTS 92*	16.99	16.99
FIRE FORCE*	16.99	16.99	MYTH	16.49	16.49	WOLF CHILD	16.49	16.49
FIRE + ICE	16.99	16.99	NIGEL MANSELL'S WORLD CHAMP*	RING	RING	WILLY BEAMISH	21.49	N/A
FINAL FIGHT	16.49	16.49	NOBBY THE AARDVARK	16.99	N/A	WIZ KID*	16.49	16.49
FLIGHT OF THE INTRUDER	12.99	12.99	NOVA 9	23.49	N/A	W.W.F. WRESTLING	16.49	16.49
FLOOR 13	20.99	20.99	ORK*	16.99	16.99	ZOOL*	16.49	N/A
FORMULA ONE GRAND PRIX	23.49	23.49	PAPERBOY 2	14.99	14.99			
FASCINATION*	16.99	16.99	PARASOL STARS	16.49	16.49			
GATEWAY TO SAVAGE FRONTIER	18.49	18.49	PGA GOLF - PLUS	20.99	N/A			

ITEMS MARKED WITH A STAR * MAY NOT YET HAVE BEEN RELEASED. PLEASE PHONE FOR RELEASE DATES.

COMPILATIONS

BOARD GENIUS	17.99
SCRABBLE, RISK, CLUEDO, MONOPOLY	
BIG BOX 2	17.99
R-TYPE, GHOSTBUSTERS, SHANGHAI, DEFENDERS OF THE EARTH, ARMALYTE, BACK TO THE FUTURE 3, BAMBUZAL, SINBAD, TV SPORTS FOOTBALL, IK+	
AWARD WINNERS	16.99
POPULOUS, PIPEMANIA, KICK OFF 2, SPACE ACE	
DOUBLE DOUBLE BILL	12.99
LORDS OF THE RISING SUN, WINGS, TV SPORTS FOOTBALL, TB SPORTS BASKETBALL	
THE ADVENTURES	16.99
SUPREMACY, CORPORATION, HUNTER QUEST FOR ADVENTURE	24.99
OPERATION STEALTH, MEAN STREETS, INDIANA JONES LAST CRUSADE	

ACCESSORIES

AMIGA 1/2 MEG UPGRADE + CLOCK	21.99
4 PLAYER ADAPTOR	5.99
JOYSTICK EXTENSION LEAD	5.99
DUST COVER	3.99
MOUSE MAT	3.99
FURRY MOUSE COVER	3.99
10 SONY BRANDED DISKS	8.99

10 BULK DISKS	5.99
3.5" DISK CLEANING KIT	5.99
150 POSSO BOX	16.99
40 LOCKABLE DISK BOX	5.99
80 LOCKABLE DISK BOX	7.99
Q SHOT PYTHON	9.99
KONIX NAVIGATOR	12.99
COMPETITION PRO 5000 CLEAR	12.99
QUICKJOY JETFIGHTER	12.99
QUICKJOY SUPER BOARD	14.99
QUICKJOY TOPSTAR	18.99
ZIPSTICK	12.99

BUDGET

	Amiga	ST
AFTERBURNER	6.99	6.99
ALTERED BEAST	6.99	6.99
ARKANOID 2	6.99	6.99
BLOOD MONEY	6.99	6.99
BUBBLE BOBBLE	6.99	6.99
BACK TO THE FUTURE 3	9.99	9.99
BADLANDS	6.99	6.99
CARRIER COMMAND	6.99	6.99
CONFLICT IN EUROPE	7.99	7.99
CISCO HEAT	6.99	6.99
DISC	6.99	6.99
DOUBLE DRAGON	6.99	6.99
EMLYN HUGHES INT SOCCER	6.99	6.99
ESCAPE FROM PLANET OF ROBOT MONSTERS	6.99	6.99

F16 COMBAT PILOT	8.99	8.99
GAUNTLET 2	6.99	6.99
GOLDEN AXE*	7.99	7.99
HORROR ZOMBIES FROM THE CRYPT	6.99	6.99
HEROES OF THE LANCE	7.99	7.99
JAMES POND	6.99	6.99
JET SET WILLY	7.99	7.99
KICK OFF + EXTRA TIME	7.99	7.99
MOONSHINE RACERS	6.99	6.99
MOONWALKER	6.99	6.99
MIDNIGHT RESISTANCE	6.99	6.99
NEW ZEALAND STORY	6.99	6.99
NARC	6.99	6.99
NORTH + SOUTH	6.99	6.99
OUTRUN	6.99	6.99
PANG	6.99	6.99
PANZA KICK BOXING	6.99	6.99
PRO TENNIS TOUR	6.99	6.99
RAMBO 3	6.99	6.99
RAINBOW ISLANDS	6.99	6.99
STUN RUNNER	7.99	7.99
SPEEDBALL2	7.99	7.99
SLEEPING GODS LIE	6.99	6.99
SUPAPLEX	6.99	6.99
TV SPORTS FOOTBALL	6.99	6.99
TURTLES	7.99	7.99
WINGS	9.99	9.99
WIZBALL	6.99	6.99
WOLFPACK	11.99	11.99

WIZARD GAMES

PLEASE PHONE FOR A FREE CATALOGUE 0234 241060. FAX 0234 240687

Name

Address

Please send me

.....

Computer Type

Tel:

Send to :- Wizard Games, 5 Osborne Court, Olney, Bucks. MK46 4LA. Fax: (0234) 240687

Postage & Packing included in UK. Europe add £2.00. Elsewhere add £3.75.

Please make cheques/P.O.'s payable to 'Wizard Games'

Novels, film ideas, games ideas, idea ideas, angry letters, invitations, resignations, refusals, proposals, what can't you contain in a well-crafted letter? **Tim Smith** looks at the tools of the writer's trade as he examines Amiga word processors...

WHAT WAS THE one piece of software that really popularised the home computer? Well, it wasn't a game, it definitely wasn't a spreadsheet, and by no stretch of the imagination could it be said to be a database. It was the humble word processor. And the reason for this? Everyone needs one.

Its ancestor, the typewriter, required you to have a supply of correction fluid close beside a mountain of paper (plus a slippery mass of carbon paper if you wanted to keep any record of your work) and, in some cases, a pair of heavy-duty ear-plugs.

Your Amiga armed with a half-decent word processor and a dot-matrix printer, is like a leap into the 21st century.

With the typewriter, mistakes are often punished with the chore of having to re-type an entire piece of work; a mistake with a word processor simply means pressing the backspace key a few times and re-typing a single word or maybe a phrase.

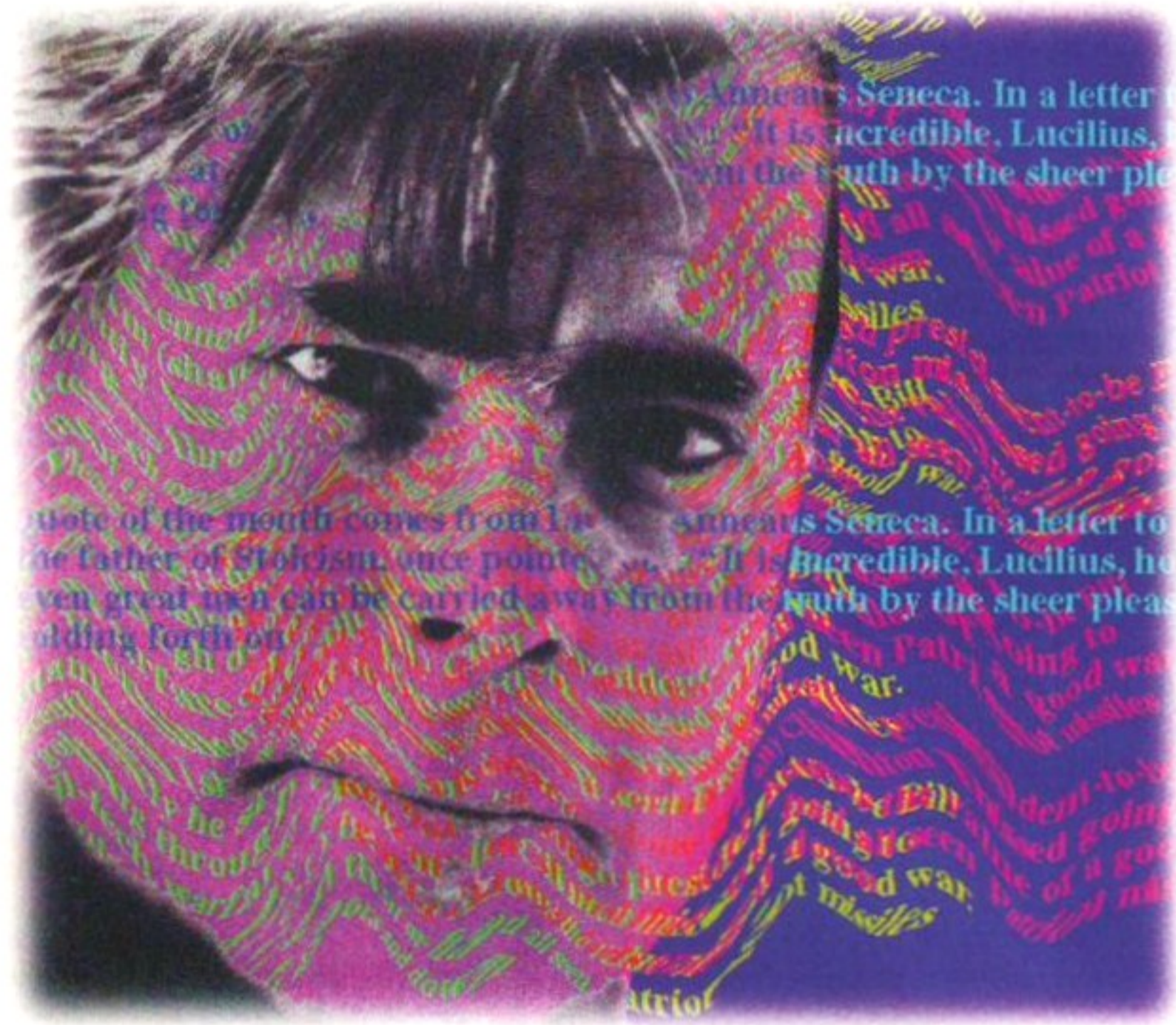
Also, have you ever tried to get a typewriter to tell you how to justify a paragraph; have you ever got a typewriter to tell you how to tab a paragraph for that matter? You can sit there for hours on end yelling at it in despair and nothing will happen. On the other hand, with your Amiga a quick stab at the relevant key combination will produce some on-line help for you in an instant.

Not only will this tell you all that you need to know, it will also tell you a great deal that you never even realised you would ever want to know: label and envelope printing, column printing, mail merging, macros, calculations, printing foreign characters, automatic page numbering, spell-checking...

The on-line spelling checker (and thesaurus) is the single most important asset a word processor has to offer. Just imagine typing out five pages of your rude (but incisive and ever-so-cutting) letter to the bank, demanding they retract the £15 charge for the letter they sent you about a deficit you were already aware of, only to arrive at the branch with the following line: 'And, if nothing is done about this, I will withdraw my account!'

Even if you had managed to catch the mistakes in time, you would have been forced to re-type the letter. With a word processor, it would simply have been a case of running the spelling checker over the document. In some cases you can even use an on-line thesaurus to create new, and particularly gross, names for your bank manager. Apart from correcting bad spelling, your Amiga and a good word proces-

This man has made millions and millions of dollars simply by writing words. Does he use a typewriter? A Bic pen? No, as the end of *Misery* proves, Stephen King uses a word processor.



The word at war

sor can also work in conjunction to save you a great deal of time. For example, saving standard letters and/or templated forms.

Not only can you create letterheads that can be used and reused without loss of quality, you can also save entire documents to disk. These can then be opened up and important text can be taken from them and pasted into other documents.

Making text look good is another skill at which the Amiga and a good word processor excel. Adding tabs using a typewriter can be a nightmare of fiddling with connecting rods and/or switches. With a word processor you can set and reset tabs, margins and columns to your heart's content.

In fact many word processors will have rulers that can be set to enable you to use different layouts in the same document. Standard settings can then be retained for future use or can be maimed and altered dramatically for effect.

At the start of your word processing career, you are likely to be a two finger, slam-and-crash merchant, so typing speed probably won't mean a great deal to you.

However, the more often you use a keyboard, the faster you will get. Using a typewriter, you will eventually get to that crushing moment when all the keys seem to

weld together in front of you forcing you to stop your train of thought, roll up your sleeves and discover just how much grease and fluff can accumulate inside a clunky, 19th Century piece of office equipment. Not with a word processor though.

The only time you really need to worry about speed with a word processor, is when you decide which kind you are going to opt for (once you've bought your favourite, you will usually be hard-pushed to beat it for pace). There are two types of word processors: those that can handle graphics, and those that can't. These are then subdivided into those that use the WYSIWYG (What You See Is What You Get) system whereby adding an italic to a word will show up on screen in italics; and the non-WYSIWYG, which requires you to use control codes that don't affect the text until it is printed out.

WYSIWYG systems (they gained a name of their own many years ago when the idea of a computer actually doing what we all take for granted now was a pipedream) are useful for predetermining what a document could look like, but they do tend to be slow. Non-WYSIWYG systems are faster, but leave you guessing a little.

So, with all this for you to choose from, which is the best word processor for you? Turn the page and read on.

WORD PROCESSORS: JARGON BUSTED

A great deal of the terminology used in word processing comes from the bad old days of typewriting and so is lost on more up-to-date computer users. Although word processors are easy to use and incredibly useful, they also come with their own particular lingo. For the most part this is simple to understand, however, the more jargonised pieces of burble are explained below:

ASCII: American Standard Code of Information Interchange: a text file format that enables you to transfer text between computers and applications. The ability to save in ASCII form is an essential element of a good word processor. Some programs will also call this Text File saving.

Auto-save: some word processors will save documents to disk at set time intervals. Ideally you should be able to set the time. This utility only shows its true usefulness after you've lost two hours work!

Block: an area of text that has been marked out for special use. Blocks can normally be word-counted, spell-checked, copied, pasted and even saved as separate documents.

Block marker: two embedded codes that show the beginning and end of a block.

Control code: non-text characters that are placed in the text - they are sometimes also called Formatting Characters. An example of this would be to place **Italic** before a word.

Copy: way of storing text in memory without

actually removing it from the document as you would with Cutting.

Custom dictionary: dictionary built-up by you of words not already contained in the system dictionary. These words are added to the custom dictionary during spell-checks. Also known as the User dictionary.

Cut: to remove a block of text and save it in memory for pasting. This will remain in memory until you cut or copy something else.

Find and Exchange: a system that enables you to automatically go through a document changing words or phrases (useful when altering case, or removing useless control codes).

Footer: a small area at the bottom of a page of text (you can describe it as the bottom margin). Unless specifically opened, you cannot write into a footer (useful for holding page numbers and footnotes)

Form feed: a command that tells the printer to feed the paper to the start of the next page.

Header: an area at the top of a page that works in the same way as a footer (you can describe it as the top margin) useful for page numbers.

Insert mode: enables you to place cursor within a word and add letters without losing any of the existing letters.

Line feed: a command that tells the printer to advance the paper by one line.

Mail-merge: a system that enables you to write form letters and automatically add names and addresses from a separate file.

Merge: adding one document to another.

Overwrite mode: a system that enables you to place the cursor within a word and replace existing letters with new ones.

Page break: adding a page break enables you to end a page prematurely.

Paste: adding text that has been saved in the computer's memory into a document that has been previously Copied or Cut

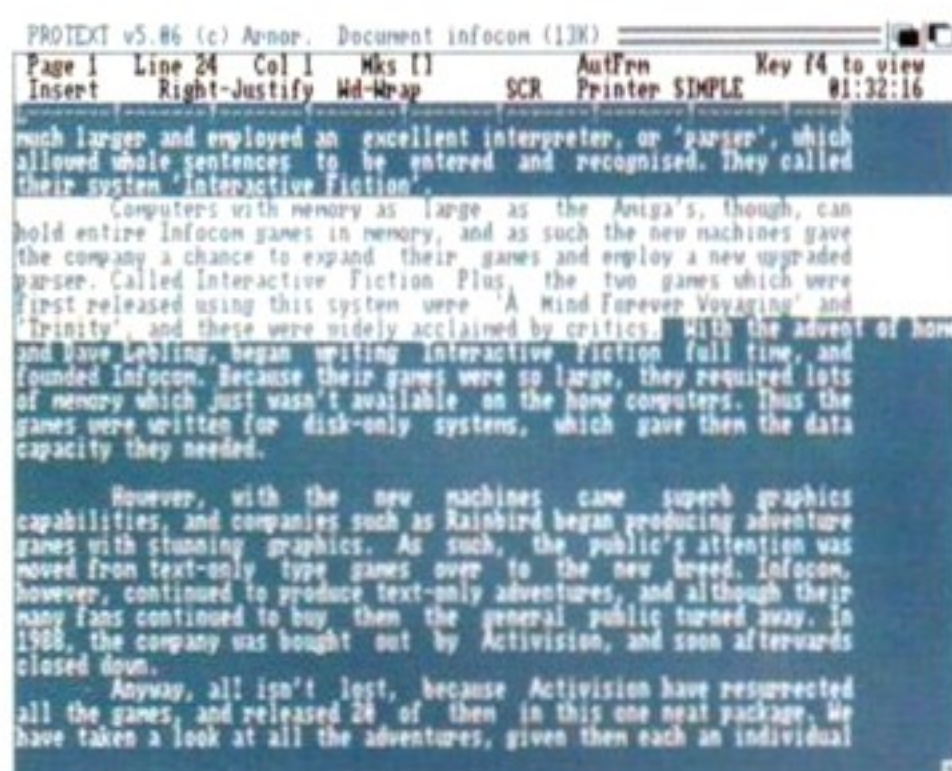
Rule: also known as Ruler - this is a line at the top of the on-screen text that shows you where the tabs and margins are set.

Tabs: indentations that can be used to mark the beginnings of paragraphs, addresses at the top letterheads or to space out information in a graph.

User dictionary: see Custom dictionary.

Wrap: also known as Word Wrap. With word wrap on, words that would normally be broken at the end of lines are moved to the start of the next line. This is useful for smart-looking business documents.

WYSIWYG: an acronym standing for 'What You See Is What You Get': this system enables you to see italics, bolds, justifications and other formats on screen.

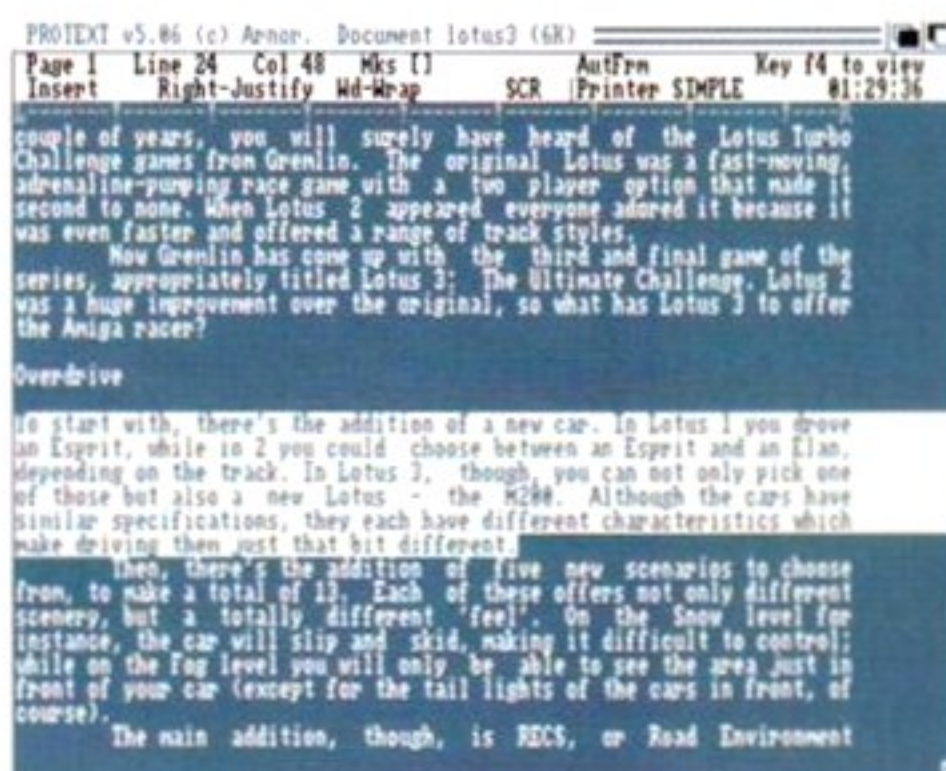


Protext can't be beaten if what you're after is a no-nonsense word processor.

PROTEXT 5 £80
ARNOR 0733 68909

Protext started life as one of those incredibly simple programs but it has been built-up over the years without losing any of its simplicity. At heart it is a straightforward text-basher with few frills. In fact it even retains a Command Mode, a CLI-like system that runs in tandem with the pull-down menus. This mode is used to enter macros (a series of grouped commands) as well as being the entry point for all the other, menu accessible, commands that come with the system.

But don't let its clunky simplicity put you off from the fact that it is probably one of the best word processors around. All the basics are there, from a built-in thesaurus and spelling checker (it uses the Collins dictionary, plus you can create your own customisable dictionaries) to text format-



What you see is not what you get with Protext, italics etc, will only show up on the final printout.

ting. It is not a WYSIWYG system though, so any of the italics, bolds or underlines you decide to add will only appear on the printout and not on screen. This adds to the speed of the system, and you won't find another word processor that can match it for pace.

Because it is such a down-the-line word processor, graphics handling is a no-no. Protext deals in words and not very much else. The downsides of the program are its mountain of commands. It sometimes seems like it has too much to offer, and it has a limited visual impact unless you plough through the manual and customise the formats (or the number of third-party books that have sprung up to service the market). These niggles aside, if you are looking for a sub-£100 word processor (that behaves as if it were worth several times that) with which to quickly and easily produce words, then Protext is the obvious choice.

Protex 5

SPEED ●●●●●

Screen updates are fast. Text entry is rarely held up so you can keep flowing. Disk access is quick from drop-down menus or from the command line. Protex can buffer documents bigger than RAM on disk.

EASE OF USE ●●●●●

If you aren't bothered with complex functions such as mail merging and macro creation, then you can dive straight into Protex.

WRITING FEATURES ●●●●●

A full spelling checker with the ability to create your own user-dictionary(ies). This is complimented by a thesaurus. Word counting is also included. There is also the ability to split the screen so that you can work on two separate files simultaneously.

LAYOUT FEATURES ●●

Protex is a text-cruncher with few pretensions to true-page layout skills. You can play around with fonts, print in columns and rejig rulers, but these are not its fortes.

GRAPHICS FEATURES

Not applicable.

DOCUMENTATION ●●●●●

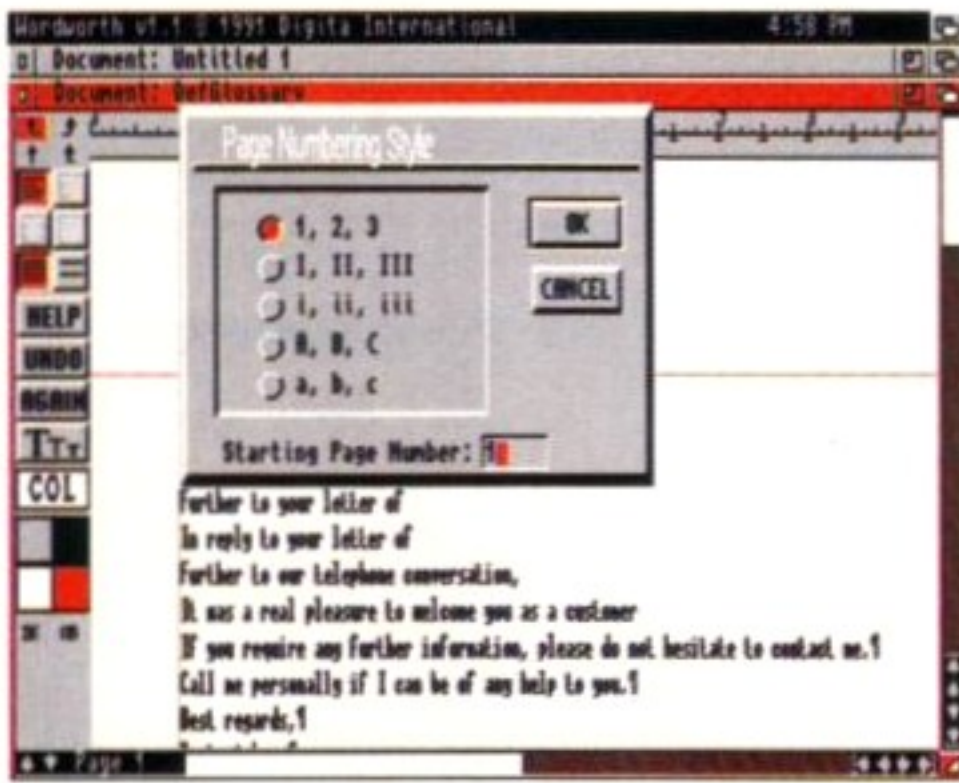
A little heavy handed. The manual does go into everything you need to know - it was produced using Protex (so it gives you an idea of its layout limitations).

VALUE ●●●●●

If you have no need for tricksey graphics or flash outputting, then its for you. Initially difficult to get to grips with the complex levels, time reaps rewards.



80%



A new version should be on the way, but if you need a decent WP then get it now and you can always upgrade.

WORDWORTH 1.1 £129.99

DIGITA INTERNATIONAL
0395 270273

Wordworth is known as a document processor or word publisher – you can use these programs to import graphics and a whole host of fonts. Wordworth is currently running at version 1.1, but there are strong rumours that an all-new, updated version 2 is looming. But for now, we'll concentrate on the version at hand.

To get the most from this word processor you need a hard disk with about 3Mb free. Once up and running, the choices open to you are wide. Not only can you place and resize pictures, but you can also flow text around them. Text can be manipulated in true WYSIWYG style: italicising shows up on screen. Screen updating and text entry range from



The number and complexities of the functions make Wordworth one of the better document processors.

the slow to the quite adequate depending on the version of Kickstart you are running (3.1 users look out) and the amount of RAM you have. It's not swift, and the more graphics you have, and the more documents you have open, the longer you will have to wait for the screen to refresh.

As you would expect from a program of this cost and complexity, full spell-checking facilities (116,000 words) and a (470,000 word) thesaurus are included. As you might not expect, it also comes with Speech – this can be set to repeat what you are writing: sections of text, or entire documents. An incredible boon for the sight-impaired.

When outputting text, Wordworth is well equipped with printer drivers (over 100 printers are supported, ranging from basic 9-pin machines up to inkjets). For a domestically produced document processor, with a healthy future ahead of it, you could do worse than buy Wordworth.

Wordworth 1.1

SPEED ●●●●
Kickstart 3.1 users with little RAM beware. Users of A600s and 500 Pluses with plenty of RAM need not worry. A hard disk will make the world of difference.

EASE OF USE ●●●●
The number of functions make this a program that deserves a little of your time to get the most out of it. Sure, you can get straight on with text crunching, but Wordworth has more to offer than this.

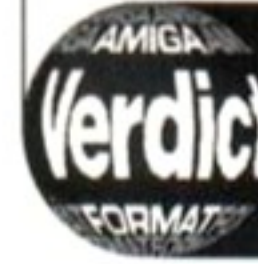
WRITING FEATURES ●●●●
The WYSIWYG features also make for a clearer idea of what you are dealing with. Mail merging facilities are included. Has support for over 100 printers.

LAYOUT FEATURES ●●●●
A flexible system for creating, customising and updating page layout formats. Rules and margins are clearly displayed, as (what a relief) are tabs.

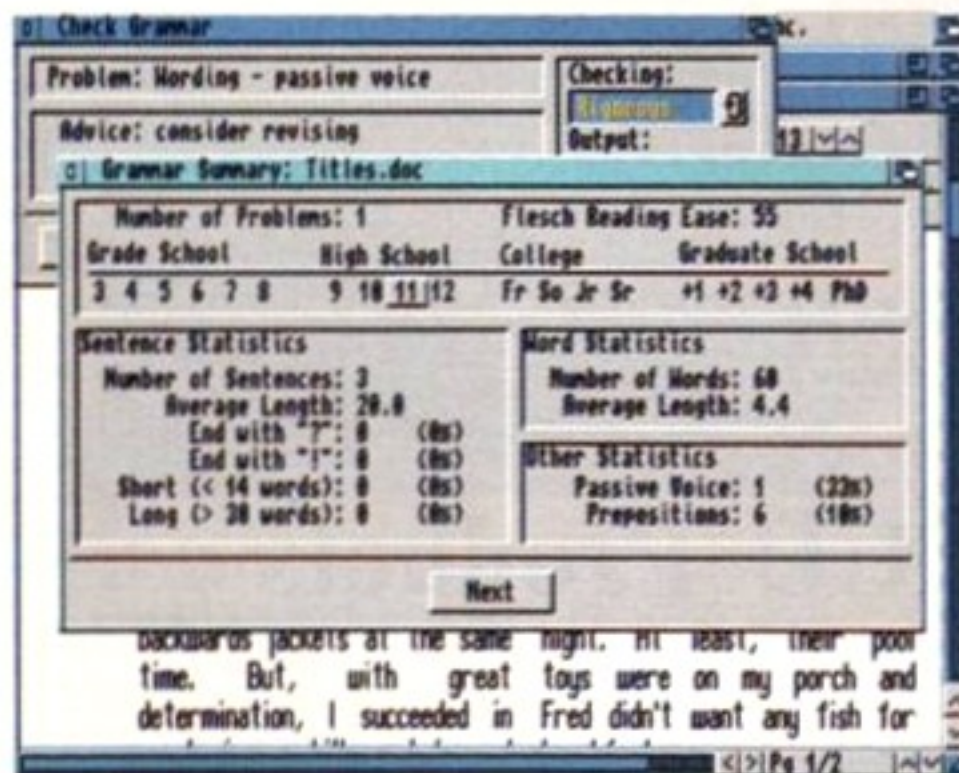
GRAPHICS FEATURES ●●●●
Placing pictures and text flow are well defined. Images can be added using standard IFF format in any resolution or size in 2 to 64 colours. HAM and half-brite images can also be used.

DOCUMENTATION ●●●●
Plenty of it and no mistake. The 286-page manual even comes with some adhesive keyboard overlays.

VALUE ●●●●
The possibility of updates obviously looming on the horizon affects this rating. As it stands at the moment, Wordworth has plenty to offer for someone wanting to put together complex documents.



89%



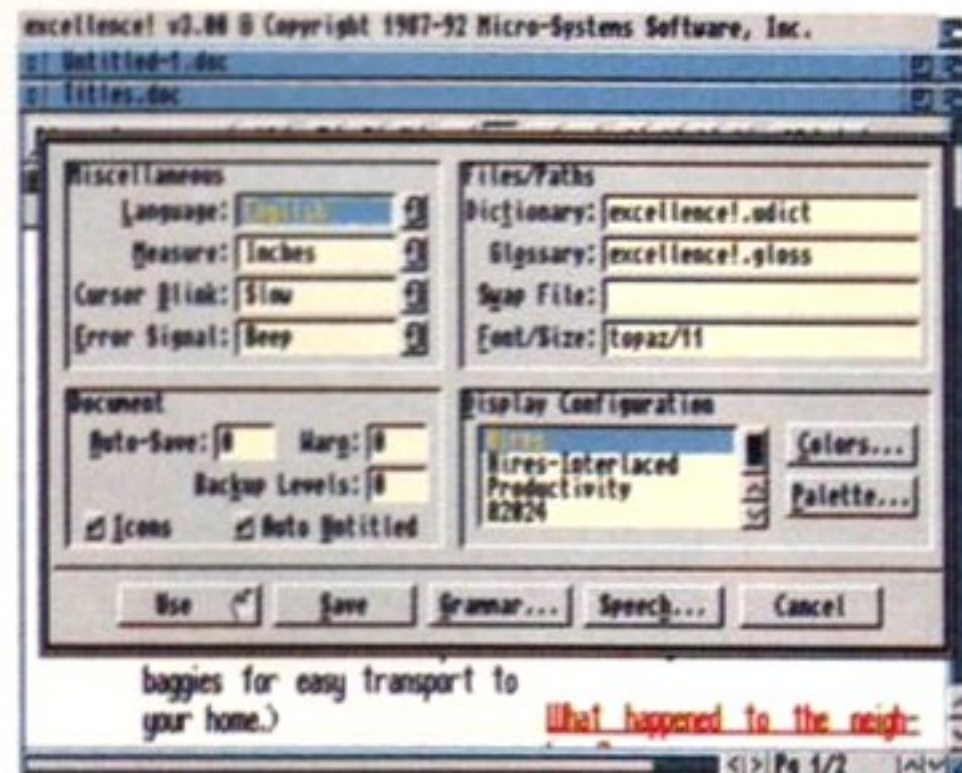
The spelling checker has a measly 90,000 words in its dictionary. There's also a thesaurus.

EXCELLENCE 3 £79.99

**MICRO SYSTEMS SOFTWARE/
HB MARKETING 0753 686000**

Not a bad attempt at a fully blown document processor (you can integrate graphics with the text). It comes with a 90,000 word spelling checker (it's US, but then so are the majority of the processors here, save for Wordworth) that makes use of specialist 'supplements'. There is also a 1.4 million word thesaurus. It also comes with two of the most irritating word-processing gadgets ever invented: the spell-as-you-type which slows text entry down horrifically, and the grammar-style checkers which are particularly pedantic.

Aside from these Excellence 3 is not far off being the best document processor for the Amiga. For a start it comes with 100 per cent Colour



If you want to make use of the extras that come with Excellence you really do need a hard drive.

PostScript-compatibility. This means if you want professional documents from a printing bureau you will have few, if any, problems. It certainly makes this a program that won't let you down.

All the basics are there: a reasonable manual, but it's housed, sadly, in a ringbound manual) including good graphics-handling capabilities and the ability to place graphics in the header and footer areas. Thankfully it is also fully WYSIWYG – in fact this also extends to different font usages (the makers claim that up to 250 fonts can be included in a single document – a recommendation that shouldn't be used as the document would look vile).

Amiga integration is also good with ARexx and AmigaDOS 1.3 and 2.04 support included. You should also bear in mind, however, that 1Mb of RAM is required and, if you want to make use of the extras, you really do need to have a hard disk.

Excellence 3

SPEED ●●●●
Depends on the complexity of the document you are working on. Also, to get the most of the system, you shouldn't have more than two documents open.

EASE OF USE ●●●●
Because it works with true WYSIWYG, you would not want to use Excellence as a straight text cruncher.

WRITING FEATURES ●●●●
Spelling checker, a thesaurus (they don't bother telling you how many words), mail merging, grammar and style checkers, index and table of contents generators – which is a Godsend.

LAYOUT FEATURES ●●●●
Colour is supported as is a user-defined page setup facility. There is AGFA/Compugraphic outline font support and multiple fonts can be used on screen.

GRAPHICS FEATURES ●●●●
Although you can load up to 32-colour IFFs, it can only display them in up to eight colours. Once in, they can be cropped and resized. Flowing text around graphics in other than box form is a pain. There is also no auto-text flow for resized images.

DOCUMENTATION ●●●●
Adequate. It's another ringbound affair which means its fall-to-bits-soon rating is high. Its index is poor and sparse to say the least.

VALUE ●●●●
A reasonable document processor. It still has to catch up with Wordworth and Final Copy in terms of graphics handling, and true font manipulation.



80%

GASTEINER



ICD POWER



Unit 3
Millmead Business Centre
Millmead Road
London N17 9QU
Tel: 081 365 1151
Fax: 081 885 1953

256 Greyscale Scanners

Total solution for scanning A4 images

**Amiga
Shopper best
buy**



Features:- True greyscales, 100-400 dpi, 105mm head, OCR option

Top quality hardware with the latest version of software from Migraph. Allows real time scanning, provides powerful editing/painting features. Compatible (imports/exports) IFF,IMG,PCX,TIFF and MACPAINT formats. Compatible with all Amiga's A500,A500+,A600,A1500,A2000,A2500 and A3000

Touch UP and Merge It Software

Full OCR Version
Software Available
£165.00

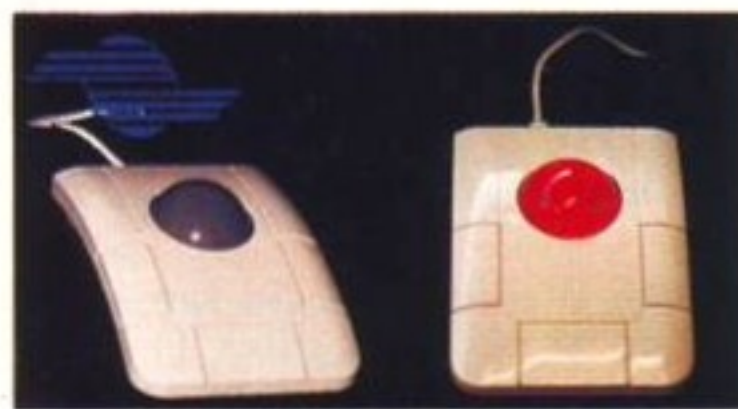
£119.95

**Touch UP, Merge It and Special
OCR software.**

Minimum system requirement 2Mb RAM, and a Hard Disk

£199.00

Trackballs



Stylish three button trackballs, with third button supporting auto fire and drag and hold

**GOLD
AWARD
WINNER
IN ST
FORMAT
92%**

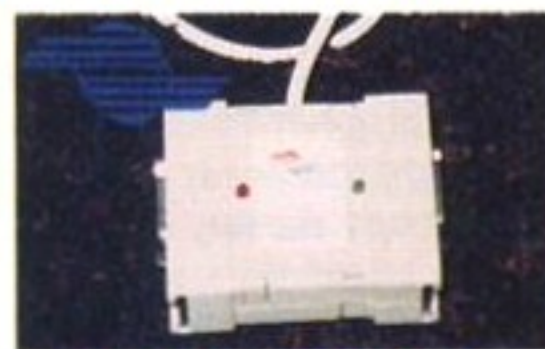
**ST
REVIEW
91%**

With two colour
shining Crystal Ball

£29.95

£34.95

Auto Mouse/ Jostick Switch



St Format 78%
Automatic Switcher
between two input devices
with a click of a button.
E.g. mouse/mouse,
mouse/joystick, joystick/
joystick.

£12.95

Mega Mouse



**GOLD
AWARD
WINNER
IN AMIGA
FORMAT
90%**

A 290 dpi high resolution Opto-Mechanical Mouse. Top quality construction ensures rapid and smooth movement, with micro switch buttons.

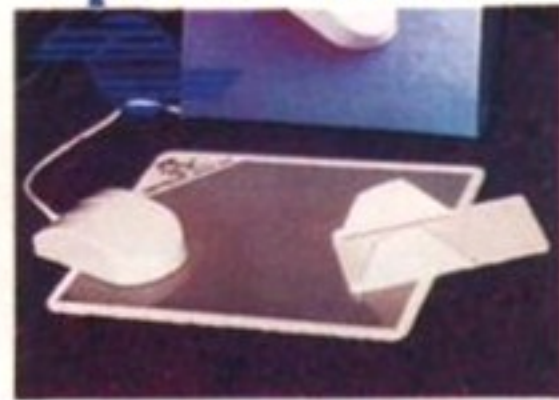
Mouse only

Mouse with hard mat
and mouse holder

£10.95

£14.95

Optical Mouse



St Format 81%
Cu Amiga 79%

Superb 300dpi Optical Mouse with effortless micro switch buttons. Fast, smooth and reliable.

Includes Optical Mouse Pad and Holder

£26.00

Optical Pen Mouse



A stylish Pen Mouse with quality construction and smooth fast movement. Micro switch buttons. Ideal for DTP, artwork, etc

Includes Optical Pad

£35.95

Cordless Infrared Mouse



Cu Amiga 81%

Remote control mouse, long working distance. Long life rechargeable battery. 260 dpi.

Includes Hard Mouse Mat.

£45.00



GoldenImage Mouse
with Mat

£13.95

The Brush Mouse with
D-Paint.

**St Format
88%**

£19.95

**GOLD
AWARD
WINNER
IN AMIGA
FORMAT
90%**

ICD Products

AdRAM-2080(2 Mb RAM)	£139.00
AdRAM-540(4 Mb RAM)	£209.00
AdSCSI 2000 w/LPS105S	£405.00
AdSpeed	£129.00
AdSpeed/IDE-40	£229.00
Flicker Free Preference	£19.00
Flicker Free Video 2	£195.00
KickBack ROM Switcher	£19.00
Novia 60i	£359.00
Novia 85i	£449.00
Novia/AdSpeed 60i	£499.00
Novia/AdSpeed 85i	£599.00
Prima 105i	£429.00
Prima 120i	£445.00
Prima/AdSpeed 105i	£579.00
Prima.AdSpeed 120i	£599.00

1Mb RAM with Clock A600	£49.00
1Mb RAM without clock A600	£45.00
512k RAM with clock A500	£25.00
1Mb RAM for A500+	£39.00
Kickstart Switch	£14.95
Bootselctor Switch	£9.95
Power Supply for A500	£34.95
3.5" External Drive	£49.00
1Mb Simms	£25.00
2-8 Mb RAM for A2000/A1500	£129.00
Power Scanner	£95.00

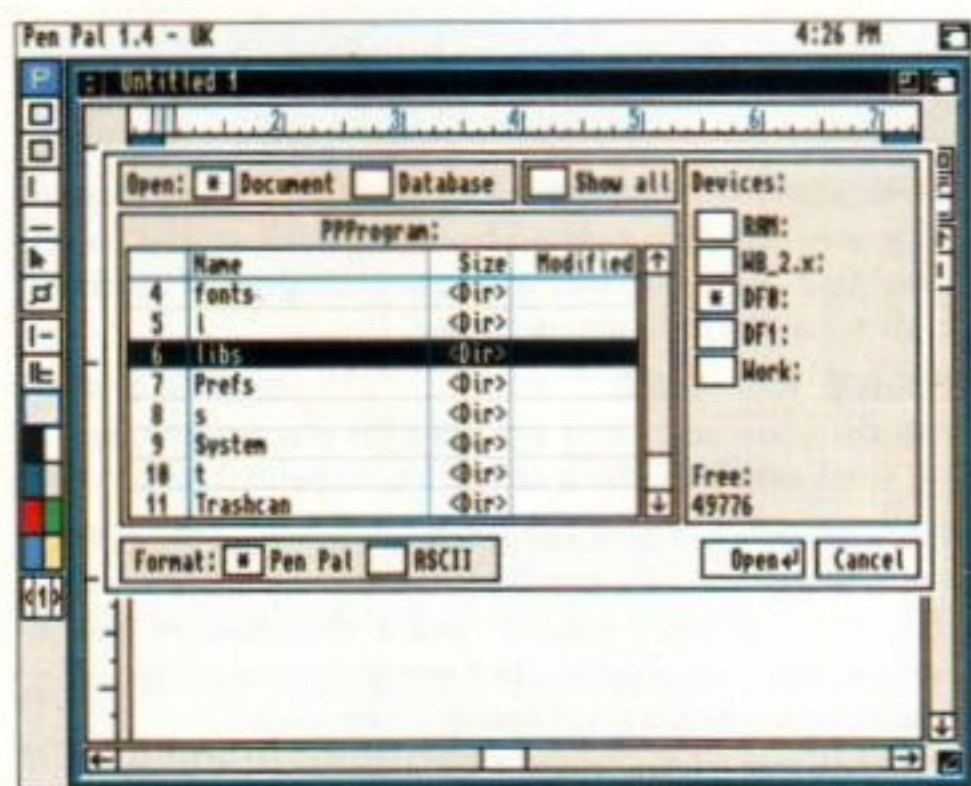
Hard Drives A500/A500+

52 Mb RAM Upgradeable	£329.00
105 Mb RAM Upgradeable	£399.00
210 Mb RAM Upgradeable	£519.00
A1500/A2000	
52 Mb RAM Upgradeable	£299.00
105 Mb RAM Upgradeable	£379.00
210 Mb RAM Upgradeable	£499.00

Please add £3.50 postage and packing to all orders under £100.00 and Orders over £100.00 add £5.00 postage and packing. COURIER CHARGE £10.00. All prices include VAT.

Gasteiner accepts payments by Visa, Access, Cheque or postal order.

E. & O.E. Prices subject to change without notice. Goods subject to availability. Specification subject to change without notice.

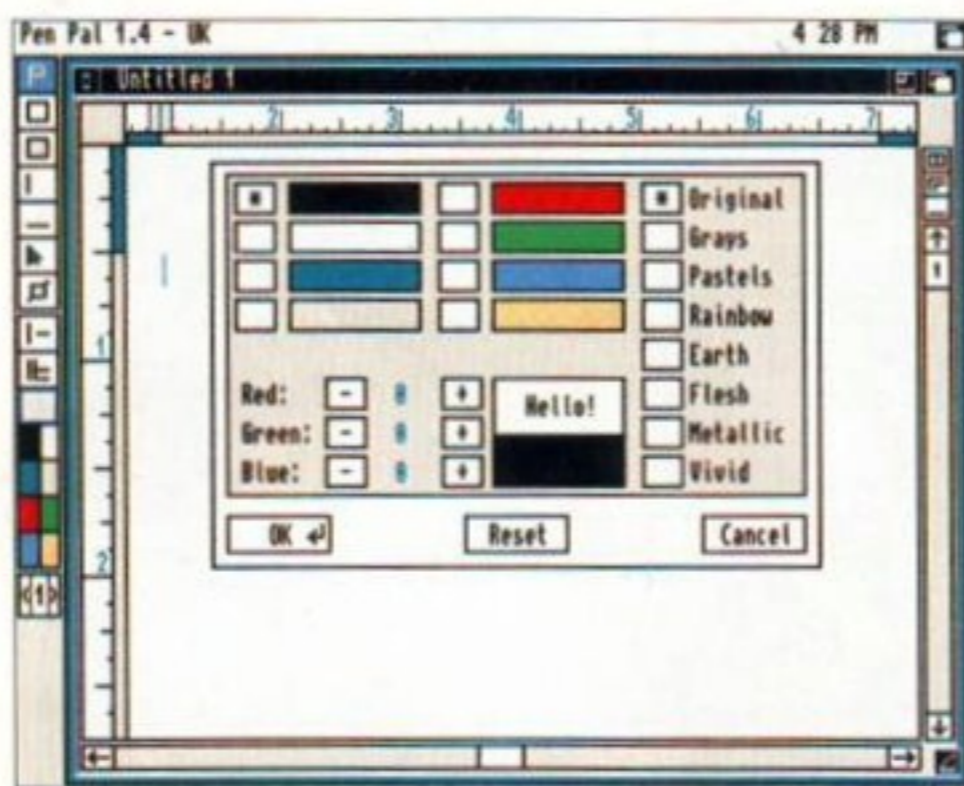


if you are looking for a straightforward word processor then this isn't it. It's much more than that.

PEN PAL £49.99
SOFTWARE/GORDON
HARWOOD COMPUTERS
0773 836781

PenPal tries to be a document processor. It can import IFF-format graphics files, it even has a (more than adequate) bash at flowing text around them. The graphics are not limited to straight IFF format, you can also import HAM pictures, however these can only be shown in eight colours. Fortunately when you come to print the images out, *Pen Pal* is quite capable of using the picture's original palette to produce the full 4,096 colours (or greyscales) on the print out.

At under £50 (just) *Pen Pal* offers all the basics of a full-blown document processor on a budget. It even comes with the ability to flow text around resized pictures. This is very different from simply



The great thing about *Pen Pal* is that you can import HAM pictures and print them out in all their glory.

being able to lay a picture on the page and flow text around it. The ability to automatically reflow text once you have resized a graphic vastly cuts down on the amount of time it takes to work on a document. Surprisingly only *Wordworth* and *Pen Pal* can really claim to properly make use of this facility; so if you're thinking of producing something like a fanzine quickly, professionally and cheaply *Pen Pal* is for you.

And this is only one side of the story; when resizing pictures you will see less image degradation than most other programs mentioned here. This is because *Pen Pal* uses some clever tricks in memory to retain the integrity of the original image even when you have mucked around with it.

In terms of straight word processing, *Pen Pal* is rather less to shout about. It is limited to the Amiga's own bitmapped fonts. It also lacks a thesaurus, and the dictionary is limited.

Pen Pal

SPEED ●●●

Text entry is fine as long as you don't have too much on screen. Screen refreshes on graphics are a little slow, mainly because the cropping and resizing are carried out in a more complex way than other programs.

EASE OF USE ●●●●

Great to use and it doesn't take to long to get the hang of the graphics functions.

WRITING FEATURES ●●

No thesaurus and a weak (110,000 word) dictionary do not lend themselves to the writer's craft. The program comes with the highly useful built-in database *MI-AmigaFile*.

LAYOUT FEATURES ●●

No multiple column printing. No widow or orphan control and no auto-hyphenation can make the going a little tough for those people who want to make text look pretty around pictures. There is only a single rule which means that changing formats within a document is next to impossible.

GRAPHICS FEATURES ●●●●

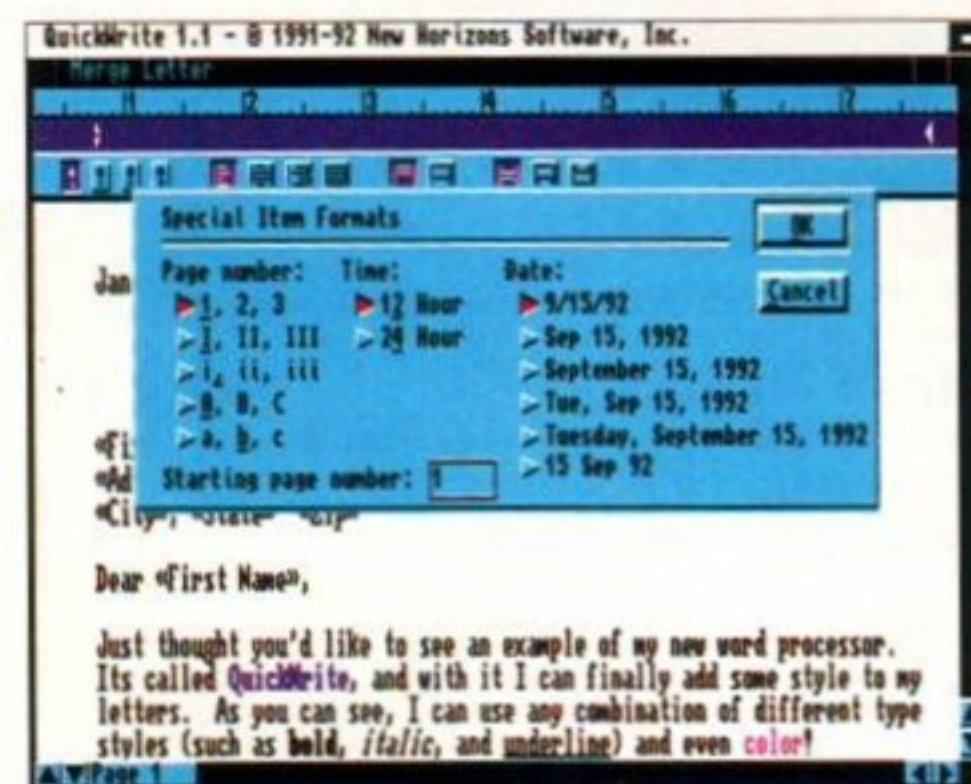
For its price, *Pen Pal* offers some excellent graphics functions. IFF and HAM images can be incorporated. Cropping and resizing are dealt with very well indeed. It also comes with its own set of drawing tools.

DOCUMENTATION ●●●●

Good gear this, softbound manual (not one of the hideous ringbound things). It comes with tutorials which are illustrated with screenshots from the program itself. It's good to see a manual of this quality.



85%



Simple, but not particularly pretty. Write quickly is just about all you'll be able to do with it, though.

QUICKWRITE 3.1
£49.99
NEW HORIZONS/HB MARKETING
0753 686000

Pared right down to the bone, *QuickWrite* is roughly what its name implies – not *QuickGraphic* or *QuickPretty* – this software is concerned purely and simply with quickly churning out words. Essentially it is a cut-down version of the older *ProWrite*, and when we say cut-down we really mean slaughtered.

It doesn't come with a thesaurus, and it only has a tiny (in modern word-processing terms) 50,000-word dictionary. It has absolutely no graphics capabilities, and precious few text-layout ones for that matter.

You would normally have thought that this would have speeded the whole thing up, in fact the



QuickWrite has a single rule, you can use the headers and footers and you can even page number, but that's it.

name suggests this; but it doesn't. Programs such as *Protext* (which is far more complex) or even *Scribble* seem to move along at a far faster clip than *QuickWrite*. In fact there is very little to say in its favour.

Sure, it is simple, easy-to-use and won't burden you with a lot a commands and key combinations before you start bashing out words. But when you consider that you can only really have 10 documents open at any one time, that the printer support is barely noticeable, and that there is no ability to use column printing or even multiple fonts, finding something positive to say about it is rather hard going.

Aside from it being a very simple affair (so it won't eat up large chunks of memory on your Amiga) it bears a passing resemblance to Microsoft's *Word*. You are probably better off passing quite quickly over *QuickWrite*.

QuickWrite 3.1

SPEED ●●●

It should be faster with such limited facilities, no graphics – you can't use widow or orphan control – you would expect it to move like script off a shovel but this just does not happen.

EASE OF USE ●●●●

Fairly simple to use for what it is, plus it has a fairly friendly menu system.

WRITING FEATURES ●●

You can number pages and yes there is a 50,000-word dictionary but that's it. No thesaurus, a basic mail merge, no macros (without ARexx) and a lack of hard-copy options.

LAYOUT FEATURES ●●

If you needed a really simple notepad then this would do the business. If, on the other hand, you want a partially featured word processor, look elsewhere.

GRAPHICS FEATURES

Not applicable.

DOCUMENTATION ●●●●

The slim manual comes with screenshots to illustrate the various elements of the program. Bearing in mind that there is so little to the program, the less than full some manual covers it all with reasonable precision.

VALUE ●●

If you want a cut-down, very basic but quite good-looking word cruncher, with no aspirations to prettification, style or features – and you have £50 to spare – then it's a toss-up between *QuickWrite* and *TransWrite*. Make sure though, that the coin you are tossing is weighted.



50%



You can link *Scribble!* to a database such as *Organise!* to extend its functionality.

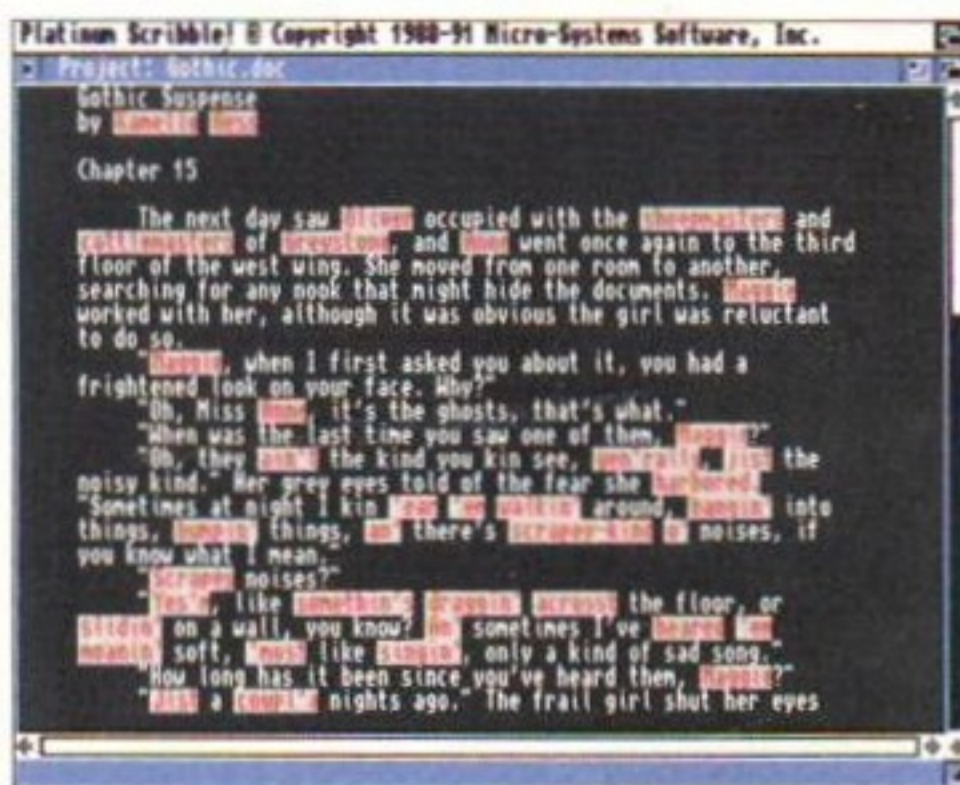
SCRIBBLE! PLATINUM EDITION £34.95

MICRO SYSTEMS SOFTWARE/ HB MARKETING 0753 686000

This is cheering. For under £40 you get a word processor that not only comes with a 104,000 dictionary and a 470,000 word thesaurus, but you can also print IFF graphics.

This is achieved by 'dot commands'. This calls for some hard logic work on your part as well as some place and hope. You have to place the Dot in the document where you want the picture to go. Then you have to estimate roughly how much space you have on the page - resizing the graphic is basically a case of fiddling with the width and height, and hope you get it in the right place.

Text flow is a case of running text above and below the graphic. In effect this feature is only



For a program that has such limited features, and no graphic displays, it really should be faster.

really any good for inserting graphs and charts. When it comes to its writing features, however, you are looking at a rapid processor that comes with limited commands and structures.

It makes a stab at WYSIWYG, with bolds, italics, underlines, super and sub-scripts all supported. Printer support, however, is rather limited. But at this price it really does not matter that much because you will be looking for a word processor that enables cutting, pasting, finding and exchanging and generally putting words to work.

The downers are that it should be faster than it is, and that the system of dot commands looks extraordinarily intimidating at first glance. It really does take some time to get used to.

However, for under £40 and as a first foray into the world of word processing, *Scribble!* (and its incarnation in *The Works Platinum Edition*) is well worth a look.

Scribble! Platinum Edition

SPEED ●●●●
With only four documents able to be open at any one time, this suggests that memory management could have been slightly better achieved.

EASE OF USE ●●●●●
The dot commands that are used for placing pictures are somewhat tricky, and can be a bit hit and miss.

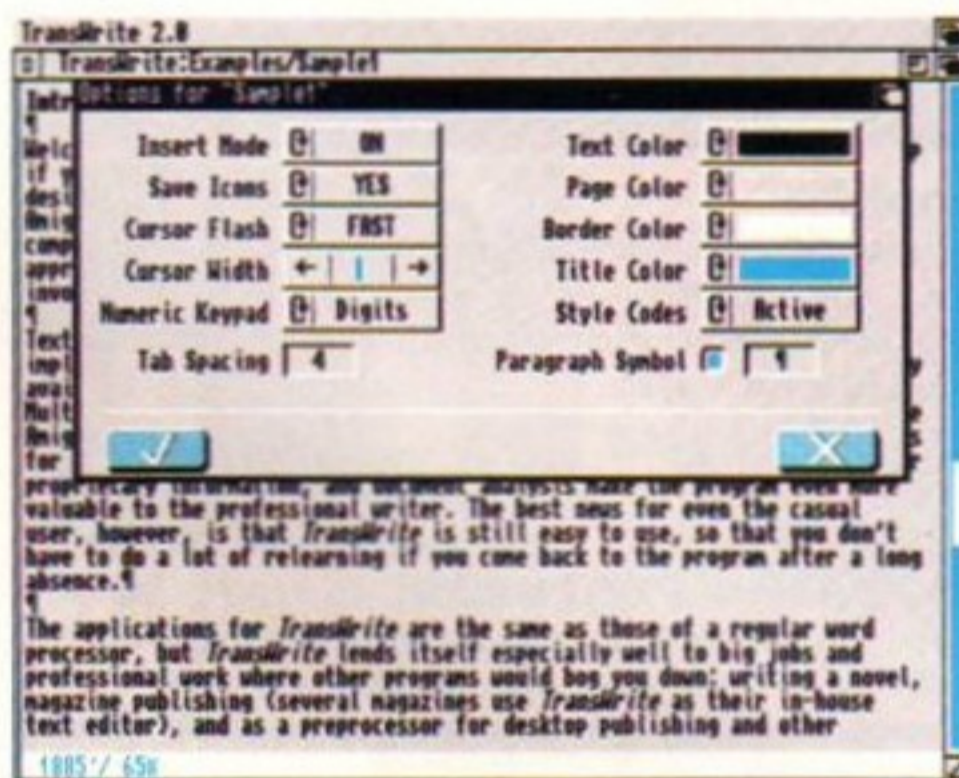
WRITING FEATURES ●●
Scribble! comes with a 103,000-word spelling checker (and user-dictionary support) and a 470,000-word thesaurus. The find-and-change function is useful but the mail merge leaves a great deal to be desired.

LAYOUT FEATURES ●●
No text flow because graphic use is limited to 'dot commands'. It also does not come with a ruler for tab and margin settings.

GRAPHICS FEATURES ●
Well, you can print out graphics (IFFs) but you cannot see them on screen, nor can you change the way they look except by fiddling with the print-dot density.

DOCUMENTATION ●●●●
Average. There are a few screenshots to give you some idea about what you are doing, and the writers have done their best to give you an idea about the dot commands. A simple program with an adequate manual.

VALUE ●●●●●
Better value than it looks from these ratings. Although it is under-featured in comparison to many of the other programs in this round-up, for its price it does the job of word processing very well indeed.



One point definitely in its favour is speed. But if it's fine-looking documents you're after look elsewhere.

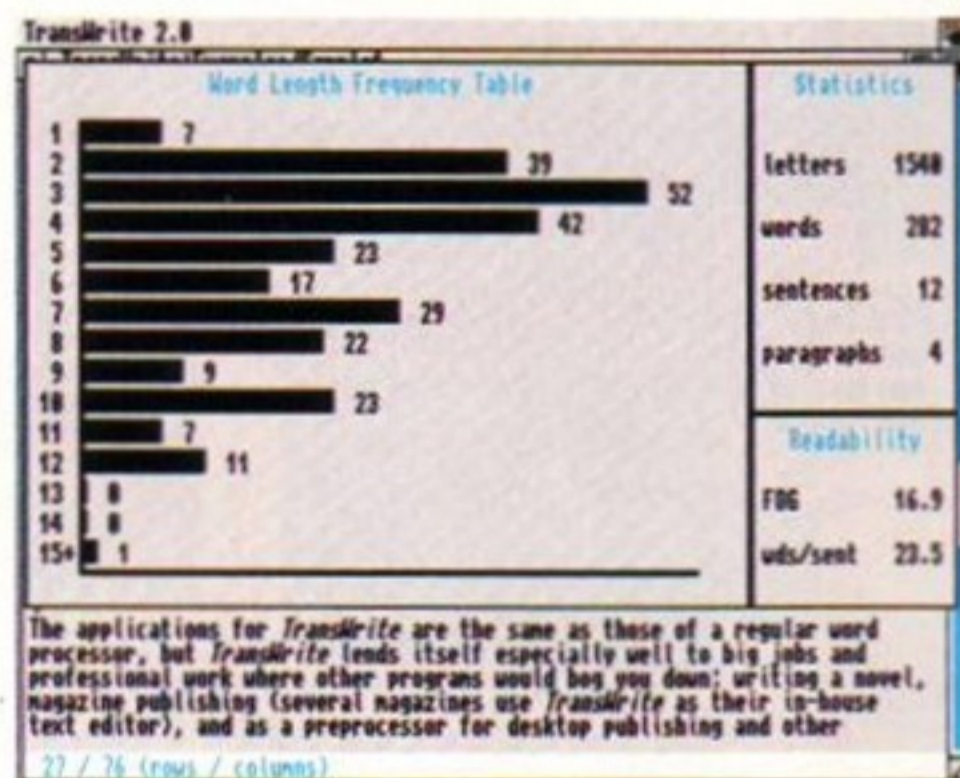
TRANSWRITE £39.95

GOLD DISK/HB MARKETING 0753 686000

Rapid word crunching - that's what you get from *TransWrite*. The program was built for speed and has a 90,000 word spelling checker which doesn't have you sitting round waiting for hours before it suggests 'color' instead of 'colour'.

Before we go on, there are no graphics handling capabilities in *TransWrite*, so if you're looking for a pseudo-DTP package you should look elsewhere. *TransWrite*, like *Protext* is built for writers and writers alone.

To this end, you only need 512k of RAM to run the thing which means that it can be run from Workbench as a kind of desk accessory or from its own environment. The manual claims that you can open 'any number of documents' using *TransWrite*,



A nice little feature that you get with *TransWrite* is the style-analysis module.

in practice this actually seems to work. Because you are not bothering with details such as headers and footers, and columns not only can you open up document after document (and copy and paste text between all of them), you can do this on the fly.

It lacks rulers so altering in-document layouts is impossible. It is also without the ability to use multiple fonts - which means that your documents will look clean. It even lacks a thesaurus.

TransWrite cannot hope to compete with the *Final Copsys*, *Wordworths* or *Excellences* of this world in terms of creating fine-looking documents. It is also left behind by *Protext* when it comes to added extras such as complex mail and document merges, macros or math/calculations. But despite all of this (and taking into consideration its price) if you are looking for a no-frills word processor to use as and when you need it, then *TransWrite* is more than up to the job.

TransWrite

SPEED ●●●●●
Because most of the other elements you would expect to see in a document or more complex word processor are missing, you can really stream along.

EASE OF USE ●●●●●
Because there are no graphics capabilities it's a fairly simple program to get the hang of.

WRITING FEATURES ●●
Terrific for producing words - it's just a little tame at processing them in complex ways. No thesaurus, the dictionary is limited to 90,000 words. But in its favour there is a quick word count.

LAYOUT FEATURES ●●
There is an automatic hyphenation option included (some of the more complex programs don't have it). You can also make use of a preview to get an idea of how the document looks before you print it.

GRAPHICS FEATURES
Not applicable.

DOCUMENTATION ●●
Gold Disk could do well to learn from Softwood here. The manual is flimsy as hell with an appallingly weak index. On the upside though, the program is so easy to use that you don't actually need a major-league manual in the first place.

VALUE ●●●●●
I personally prefer *Protext*, but for sheer speed and ease of use *TransWrite* will take some beating. At under £40, even if you were just to buy it as an occasional word cruncher, this will serve you very well indeed.



T

HE FINAL WORD

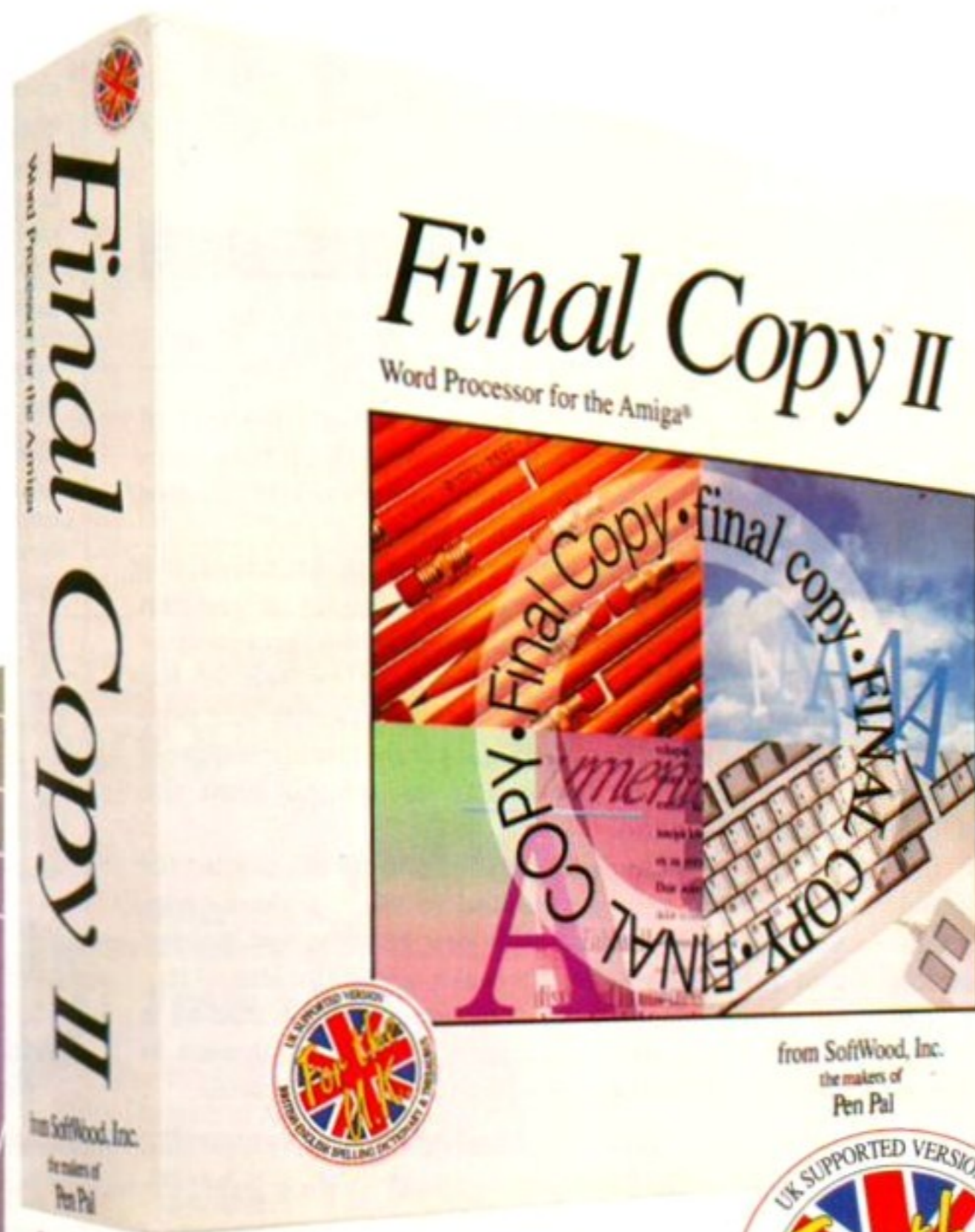
...in Word Processing with Perfect Printing

From the makers of Pen Pal comes a brand new, unique WYSIWYG Word Processing package, that's simply the only choice for those who demand the most from their Amiga.

Final Copy II is not only the Amiga's most powerful Word Processor with every feature you'd expect plus many more found normally in DTP packages - but also the only Word Processor that gives superb scaleable outline fonts from any Amiga - even 1.3's. Imagine outputting to your printers highest resolution, with almost Postscript™ laser perfection - no matter which printer you may have. Even with a simple nine pin dot matrix you'll get perfect printing* from Final Copy's 10 smooth outline typefaces that are included!



printer with normal Word Processor



With its powerful new features, there's no better Word Processor/Publisher for your Amiga. You'll quickly realise the benefits which were once the exclusive preserve of the Macintosh™ and other high end publishing systems.



With multiple newspaper style columns and integrated drawing tools - for boxes, borders, squares, lines at any angle, ovals, circles, arrows etc., plus colour text, along with many other formatting tools - your documents will look and read just as you want them to.

Final Copy II includes a 110,000 word British-English Collins Proximity Spelling Detector & Corrector, to help typing errors become a thing of the past, along with an 826,000 synonym Thesaurus, for that extra inspiration.

Final Copy II is so easy to learn and use, that you'll become an accomplished author in no time at all - but if you need extra help you're not on your own as our support hotline is there for all UK version users. Look out for the UK logo on the box!



...Final Copy II

Only £99.95
FROM ALL GOOD SOFTWARE DEALERS

Compatible with...

Amiga-A500/600/600HD/1500/2000/3000. System requirements... min. of 1Mb. RAM and two Floppies or a Hard Disk Drive [A600HD requires at least 1.5Mb].

*Any Workbench supported graphic printer, colour or mono, including... Citizen 120D, 124D, 224, Swift 9/24, 200/240; Star LC10, 20, 200, 24-200, and XB Series; Canon BJ10ex; HP Ink/Paintjet; Postscript™ devices and many more.

Trade Distribution by...

- Centresoft/IBD
- HB Marketing
- Leisuresoft
- Meridian Distribution
- SDL/Prodis

Dealers... Please call Harwoods for your supply of leaflets and inclusion in the list of stockists we provide to customers.

United Kingdom version imported & supported by...



Gordon Harwood Computers • New Street • Alfreton Derbyshire • DE55 7BP • Telephone: 0773 836781

Final Copy II encompasses a whole range of other advanced features, here's just a selection:

- ◆ Uses the latest Workbench 2 Style interface on all Amigas
- ◆ On screen command ribbon controls (format your document with the simple touch of a button)
- ◆ 25% to 400% editable page reduction and magnification command
- ◆ Title page, master pages & style sheets
- ◆ Right/left pages with binding offset
- ◆ Open multiple documents
- ◆ Fast mouse document panning and zoom/un-zoom
- ◆ External and internal mail merging
- ◆ Cut, copy and paste
- ◆ Search and replace
- ◆ Onscreen maths
- ◆ Auto-hyphenation
- ◆ Import, resize and crop IFF, HAM and 24Bit ILBM graphics and auto-flow text around them
- ◆ Text over graphics
- ◆ Outline fonts on all Amiga screens, and any non-Postscript™ or Postscript™ compatible printer
- ◆ 4 point up to 300 point [over 4" high] smooth text printing
- ◆ Text leading and spacing controls
- ◆ Condensed and expanded characters
- ◆ Positive and negative obliquing
- ◆ Background printing, allowing simultaneous editing & printing of two or more documents
- ◆ Fast proof printing facility
- ◆ Comprehensive range of additional attractive font volumes available.

Please rush my personal copy of the new Final Copy II information pack, including samples from popular printers, and a list of stockists to... [clip the coupon or call 0773 836781 now!]

Name & Address: _____

Please include your postcode _____



You can create some quite complex-looking documents with a little time, effort and practice.

MINI OFFICE £69.95
EUROPRESS 0625 859333

This is really in here under the table as it were: *mini Office* is an ancient suite of programs that were originally heaped together on the PC before finally turning up on the Amiga. The programs include a graphics module, a database, a spreadsheet, a 'disk utility' and, of course, a word processor.

Because the programs are linked you could say that the word processor comes with all the facilities of the other modules - for example the graphics from the spreadsheet could be included as a separate page in your word-processed documents. In itself, the *mini Office* word processor would be a sad little thing with bare WYSIWYG, no graphics handling at all, a slow, irritating dictionary, no thesaurus and limited text editing/layout



As a word processor it doesn't stand out from the crowd, but in a bundle it's a pretty good buy.

facilities. However, if you have bought the suit of programs for the spreadsheet or disk utilities, then you would not be disappointed by the text crunching abilities of the word processor.

Although you can incorporate standard IFF files into your documents, this is about all you can do with them. Any idea about resizing, cropping or in anyway affecting them should be left at the Workbench screen. This importing facility was only really set up to deal with data from the spreadsheet for example, or for charts or graphs from the graphics section.

When printing to screen, and to the printer for that matter, you are limited to the standard sans-serif 8-point typeface. This can be italicised, bolded and even underlined but that's about the size of it.

All in all, you wouldn't want to buy this as a stand-alone word processor - but its inclusion in the *mini Office* bundle will come in very useful.

mini Office

SPEED

The spelling checker stops at every other word over five letters. Text entry is quick mainly because you are kept to a single 8-point typeface.

EASE OF USE

Because the graphics handling is so weak, the chances are that you won't use that many images so screen refreshes are reasonably rapid but not blistering.

WRITING FEATURES

Spelling checker but no thesaurus. Because you can look to the other modules in the *mini Office* suite, you can pull in data for mail merging from the spreadsheet. It is WYSIWYG but you are limited to a single font.

LAYOUT FEATURES

There is still no auto-hyphenation, but you can use multiple rulers (which can be cut and pasted all over a document) in order to pretty the whole thing up.

GRAPHICS FEATURES

Because of its modular nature you can import graphics from the spreadsheet and graphics areas of the suite. Once in there is very little you can do with them.

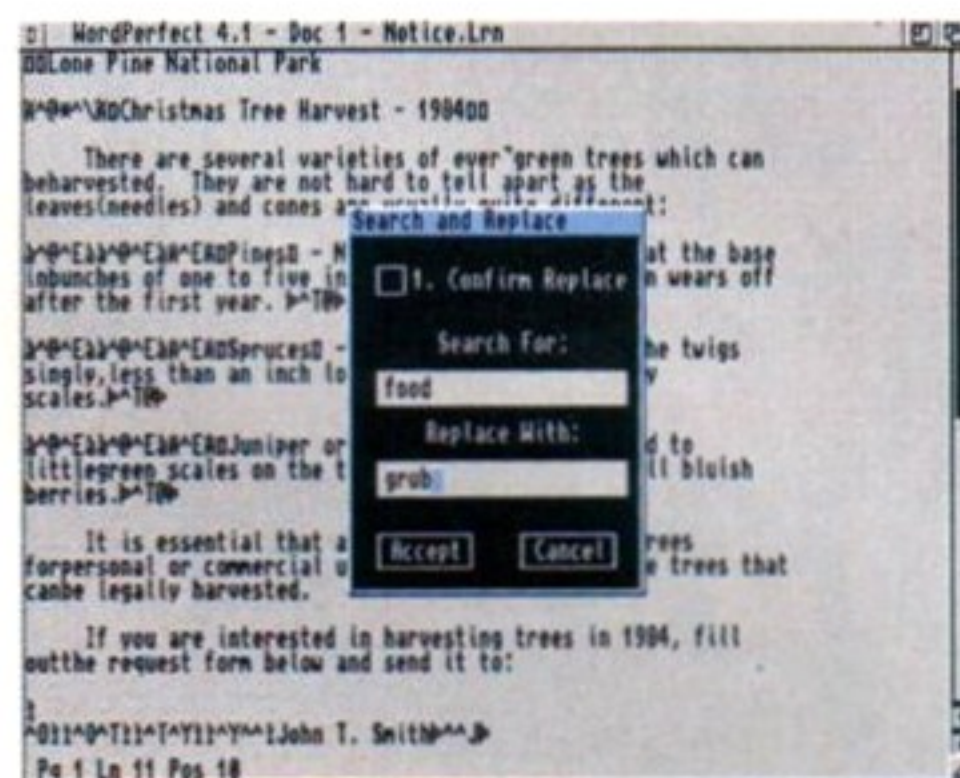
DOCUMENTATION

Well documented as part of a wider suite of programs. It is covered as a stand-alone program and as part of the wider picture with the inclusion of screenshots and some clearly written text.

VALUE

On its own it would be very limited and limiting - hence this rating. However, as part of an integrated set-up it is useful and functional without standing out.

AMIGA Verdic 50% AMIGA FORMAT

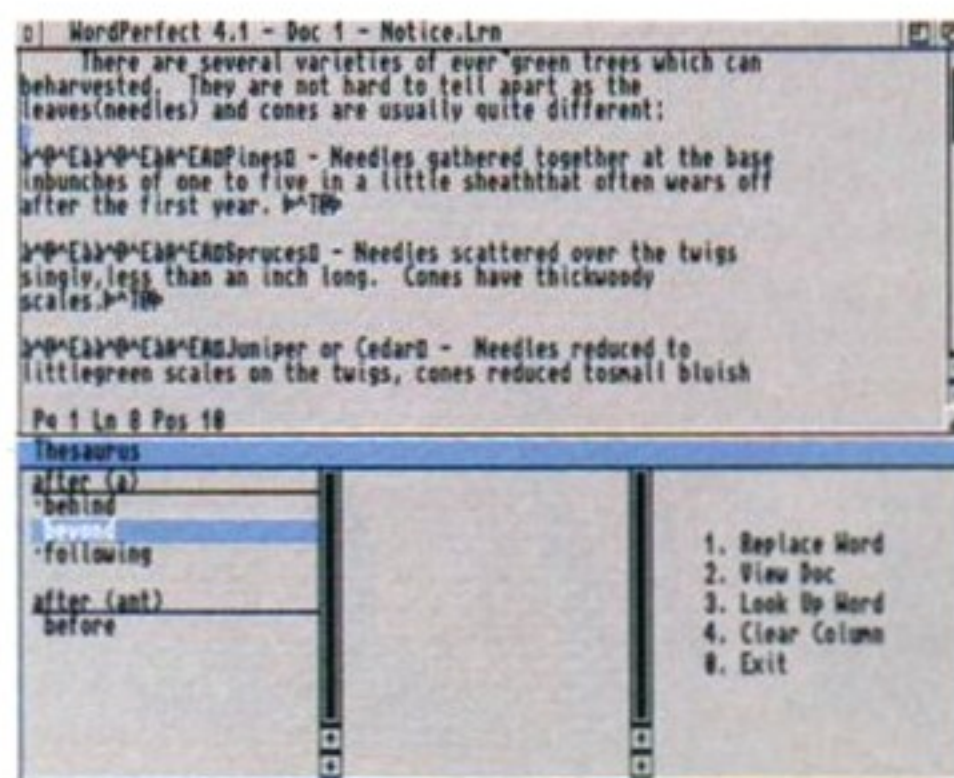


The Search and Replace in full-effect; over the years, *WordPerfect* has been upgraded and improved.

WORDPERFECT £217.38
WORDPERFECT CORP
0932 850500

I hate software that comes with crappy ringbinders, with sealed pages, the holes of which do not fit the binder's clasps (one of which immediately opens up slightly tearing all the pages). I hate this because it comes from the old PC tradition that says that ring binders are useful to keep all the separate pages of upgrade information that seep through after the first bundle is released.

Guess what you get with *WordPerfect*? This ancient and revered program comes from the depths of PC-land, and is now showing its age. According to the lady at *WordPerfect Corp* it is also being discontinued (she also said have a nice day, which I did not having spent it with *WordPerfect*).



Want to make yourself clearly understood? Can't think of a way to do it? Try the thesaurus.

The program works with combination after combination of key presses (or with the far friendlier pull-down menu system that will be familiar to most Amiga users).

WordPerfect is WYSIWYG to the extent that it will show you bolds. With italics however, it has problems. You have to Show Codes if you want to see where the italics come in (shown by an 'I' at the start of a line).

All this said, you can't knock a word processor with the track record and calibre of *WordPerfect*. To give the company their due, they have included a kind of pseudo-outlining module, and a mail merge that both do their respective jobs with a minimum of fuss and bother. The port from PC to Amiga has been carried out with greater attention than a lot of other programs. Still, it will be a rare sight in the shops by the end of this year, and there are better Amiga-specific WPs about the place.

WordPerfect

SPEED

Once you've got used to the key command combinations that are used to save you using the pull-down menus, you can steam along with your word processing (it was designed for speed initially). Hard disk is recommended, two floppies are mandatory.

EASE OF USE

Once you've got passed the initial amazement that a program this old can still be this complex, you will find it simple to understand and explore.

WRITING FEATURES

The Speller utility comes with 115,000 words, and happily it checks for double occurrences of words as well as providing the word count. The number of words in the thesaurus is not stated.

LAYOUT FEATURES

Well yes, you can add tabs and rulers, but *WordPerfect* really wasn't developed to do more than crunch words - for example there is no column printing. If you are looking for a great text layout engine, look elsewhere.

GRAPHICS FEATURES

Not applicable.

DOCUMENTATION

A ringbound manual that falls apart. But it's well laid out, with a glossary and plenty of tutorials.

VALUE

Even if *WordPerfect* are being truthful about dropping their program in the next year, they will still offer support, which is a positive point. For a word cruncher, *Protext* beats it hands down though.

AMIGA Verdic 60% AMIGA FORMAT

WE'VE GOT THE POWER!!!

YOUR LOCAL SHOP.....IN LONDON!

**FOLD
HERE**

**AXE
AXE**

DIRECT LTD

GIVING YOU THE MOST OUT OF YOUR AMIGA

**BEST
PRICES!**

VISIT OUR SHOPS!

Power Station Computers, 14 Station Road, Finchley, London N3 2RY
It's right by Finchley Central Tube Station so now you can try our products before buying! - our trained and friendly staff will be pleased to demonstrate any product

AXE COMPUTERS, 299-301 High Street, Sutton, SURREY
TEL: 081 643 7078

IMPORTANT ALL machines are tested prior to shipping

**NEW
PRICE**

PHILIPS MONITOR POWER

**NEW
PRICE**

Philips 8833 MkII (UK version) colour monitor

14" colour stereo monitor inc. 1 year on-site maintenance plus either Turbo Challenge or F.19 Stealth Fighter or choose one of the Axe Pack Games

**PRICE
BREAK**

AXE POWER PRICE ONLY £189.99

Add £3.99 for Amiga lead
Add £5.99 for tailored dust cover

★ While stocks last ★ Add £14.99 for tilt & swivel stand

**NEW
PRICES**

GVP A500 HARD DRIVE PROMOTION POWER

GVP Series II 120Mb hard drive (takes up to 8Mb)

AXE POWER PRICE only £429.99 inc. VAT

**PRICE
BREAK**

GVP SER II 52MB (TAKES 8MB RAM) £339.99

**NEW
PRODUCTS**

PRINTER POWER

**NEW
PRICES**

Citizen Swift 240C (colour) NEW!!Promotion Price £299.99

Citizen 120D 9 pin, 120 cps, NLQ, 80 col.....	£129.99
Ricoh Lazerjet - LP1200.....	£759.00
Citizen SW9 Colour.....	£199.00
Citizen SW24E Colour.....	£275.00
6LQ Fonts, 180 cps DR.....	
Star LC24/200 Colour.....	£289.99
Hewlett Packard Deskjet 500.....	£359.99
Hewlett Packard Deskjet 500 colour.....	£559.99
Citizen 224.....	£214.99
Citizen 224 Colour.....	£239.99
Brother bubble jet HJ100 inc. 1 year on site.....	£249.99

AXE Starter Pack if bought with printer, includes printer stand - 500 sheets of continuous paper - one printer driver Only £9.99

PERIPHERAL POWER

1Mb upgradeable A600.....	only £49.99
2000 sheets fanfold quality paper.....	£15.00
G.F.A. Basic.....	£9.99
Workstation - aluminium - space for drive.....	£39.99
T.V. Tuner for Philips 8833 MkII.....	£49.99
ZY-FI stereo speakers.....	£38.95
Unbranded disks 40 plus 40 cap lockable storage box.....	£24.99
Mega Mix Master.....	£39.99
Trackball - the ultimate feel.....	£29.95
Printer Stand.....	£7.99
Replacement power supply.....	£39.99
Dust cover for 1500. Covers monitor, CPU & keyboard.....	£14.99
External 8Mb RAM unit.....	£289.99
Power Hand Scanners.....	P.O.A.
3.5" external drive with free disk cleaning kit.....	£49.99

AMIGA REPAIR POWER

Call the sales power hotlines for details on how your Amiga can be diagnosed, repaired and returned to you with guarantee.

081-343 0419

1 Year on-site maintenance. Includes
Built-in TV-modulator. Optional built-in 20Mb hard drive

Pack I Amiga 600

Pack II Amiga 600

inc. mouse
power supply
Deluxe Paint III
+on-site maintenance
RRP £299.99
AXE POWER PRICE £269.99

with 20Mb H/D
+ joystick
+ mouse mat
+ 4 games from list below
AXE POWER PRICE £399.99

AXE GAME PACKS

Pro Tennis 2, Gods, Days of Thunder, Silent Service, Test Drive 2, Toyota Celica, Manchester United Europe, Gremlins 2, Rick Dangerous, Gunship, Into the Desert, Lemmings, Capt. Planet, Simpsons, Datastorm, Dungeon Quest, E-Motion, Kid Gloves, Grand Monster Slam, RVF Honda, Shuffle Puck Cafe, Soccer, Tower of Babel. Games will be substituted if not available.

OR Choose any 10 games for only **£39.99 IT'S YOUR CHOICE!!**

AXE POWER PACK 2

Pack I Plus Philips 8833 Mark II colour stereo monitor

Pack II Plus Philips colour stereo monitor

AXE POWER PRICE £488.99

AXE POWER PRICE £589.98

A1500 AXE POWER PACK 3 From £539.99!!

with 8833 mkII.....	£733.98	52Mb Quantum Drive.....	£269.99
KCS IBM adaptor.....	£279.00	120Mb Quantum Drive.....	£429.99

100% IBM COMPATIBLE AXE 286SX-16 PC ONLY £519.99

INCLUDES 14" SVGA colour monitor, 1Mb RAM, 40Mb HD, 3 button mouse, 3.5" floppy drive, 102 key keyboard, 2 serial, 1 parallel, 1 games port, MS DOS 5.0.

AXE 386SX-25 PC ONLY £759.99

includes as above **PLUS** Windows 3.0, 2 games, Paint package **and** 3 years 8hr call out on-site maintenance!!!

AXE GOLD CLUB

AVAILABLE FOR ALL HARDWARE CUSTOMERS ONLY £19.99

★ Next day courier delivery ★ 30 day exchange for new

★ 1 year guarantee + free collection AND delivery should a fault occur ★ Free Game

For peace of mind mail order shopping...Join the **AXE GOLD CLUB**...you'll notice the difference

Authorised dealers for Commodore, Atari, Amstrad, Citizen, Star, Panasonic, Supra, Sega, Hewlett Packard

ORDERING POWER It's so easy!

24 HOUR SALES POWER HOTLINES

VISA AMERICAN EXPRESS 081 343 0419 (6 lines)

HOW TO ORDER

By phone
081 343 0419

By fax It's fast
081 643 5414

By post: make
cheques, bankers
drafts, postal
orders or building society
cheques payable to

AXE Direct Ltd.
Allow 5 working days for
personal cheque clearance.

Send orders to:
**14 Station Road, Finchley, London
N3 2RY**

Next day delivery only £10.00 inc. VAT

3-5 day only £7.50

P&P under £100.00 only £2.50

P&P over £100.00 only £4.00

OPENING HOURS:
Mon-Fri: 9.00am - 6.30pm
Saturday: 9.00am - 6.00pm
Sunday: Finchley 10.00am-1.00pm

**MAIL ORDER
PRICES ONLY -
SHOP PRICES MAY
VARY**

Please have your credit card ready when
ordering for easy reference. Thank you

E.& O.E. Prices are correct at
time of going to press, and
include VAT but subject to
change, as we are sometimes
let down by suppliers. Call
AXE first.

AXE DIRECT LTD PRICE...POWER...PERFORMANCE

Name (Mr, Mrs, Ms)

Address

Postcode

Credit Card Please circle Card No.

Signature

Expiry date

PLEASE SEND ME	PRODUCT	PRICE	QUANTITY	POWER PRICE

All products are sourced from the UK - no grey imports - SO rest easy with your official UK warranties. Carriage Total Power Price

ALL PRICES INCLUDE VAT

AND GIVE YOU THE PERFORMANCE

IT'S ALL THE ADVICE YOU'LL EVER NEED

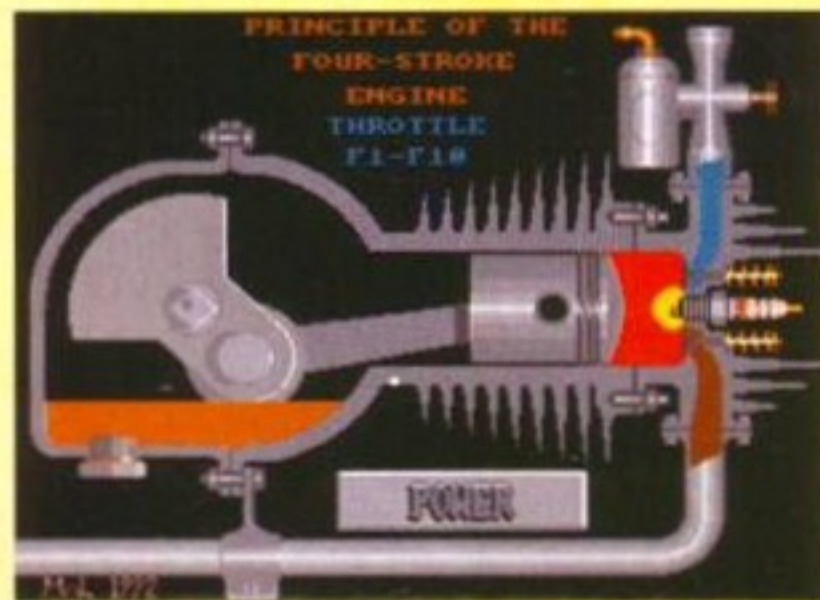
AMIGA SHOPPER...

...is serious about your Amiga. Are you?



Amiga Shopper's news pages are always the first to bring you the complete story – we're the ones who first told the world about the death of the A500. This month we have a full report on the launch of Commodore's new A4000 in Pasadena, California. Find out what makes this one so special, and what it could mean for the evolution of your machine. PLUS: the \$250 68030 accelerator card for your Amiga which will turn it into an A3000

COMMODORE'S NEW AMIGA



PUBLIC DOMAIN WORLD

This month's regular look at the range of low-cost and no-cost software takes in a program to illustrate the inner workings of a four-stroke petrol engine, a program to help you write up your will, something to teach you morse code, and a replacement for the operating system

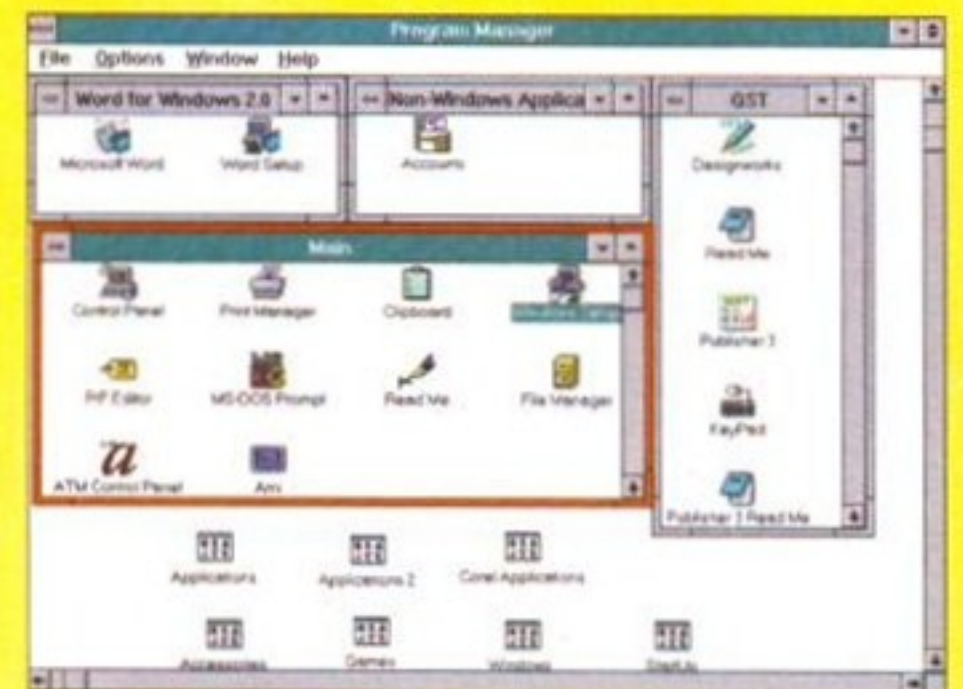
THE GREAT DEBATE

We got hold of the most authoritative experts in the business, sat them down around a table with a few drinks and pumped them with questions... What emerges is the most in-depth discussion of the Amiga's past, present and future you'll ever read. What kind of new machine should Commodore be thinking about? How will the Amiga cope with the PC and console threats? Read all about it in this no-holds barred six page exposé

AMIGA ANSWERS

WE'LL PUT AN END TO YOUR AMIGA ANGST...

It's the only solution to every Amiga problem you're ever likely to encounter. And whatever your hassle may be, Amiga Answers has the best brains in the business to help you out. Just send in that query and watch it disappear. This month, there's 17 pages of questions – all answered in the most clear, informative and friendly style you could hope for



EMULATION SENSATION

Microsoft Windows on your Amiga? It's possible with a PC emulator, and more and more people are finding reasons to buy one. We review and rate the emulators available and offer our verdict on how best to tap into the wealth of PC software



PLUS: C PROGRAMMING, AREXX, CHAOS, AI, VIDEO AND DTP

EXPERT ADVICE AND TIPS FOR EVERY AMIGA ENTHUSIAST

AMIGA

From the makers of Amiga Format

ISSUE 19 • NOVEMBER 1992 • £1.50
YOUR DEFINITIVE AMIGA GUIDE

SHOPPER

WIN!
TWO
PHILIPS MONITORS

Power up a PC!

INSIDE

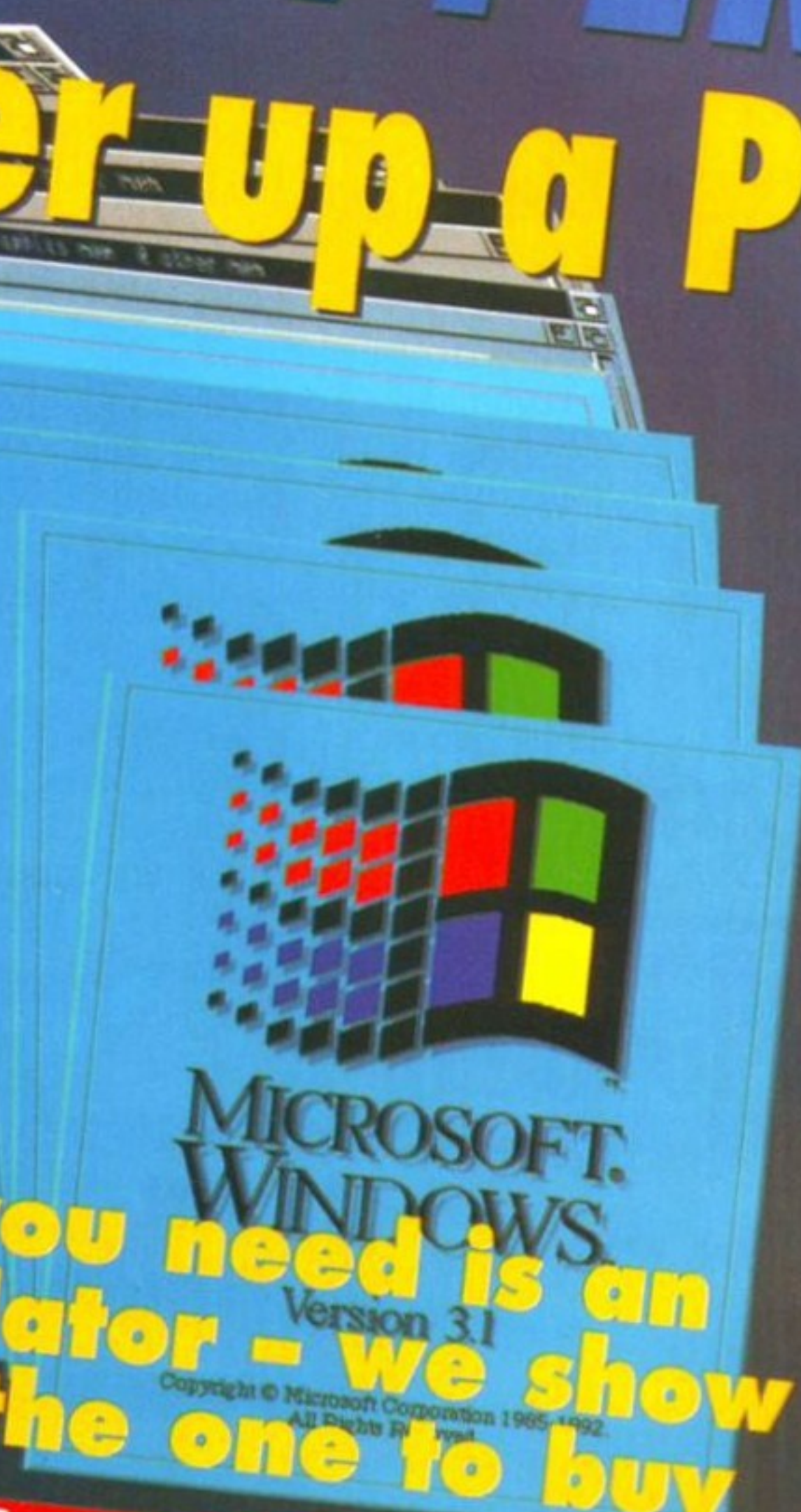
• **MASTER MULTITASKING!**
How to make the most of your Amiga's
unique operating system
Multitasking: Page 84

• **TIRED OF TYPING?**
Could you and your scanner benefit from
optical character recognition software?
DTP: Page 74

• **SOLVE THAT PROBLEM!**
Nineteen pages of handy advice to stop
those niggles turning into nightmares
Amiga Answers: Page 39

• **CUT THAT COST!**
All the very latest low-cost and no-cost
software from the Amiga public domain
PD: Page 156

All you need is an
emulator - we show
you the one to buy



Copyright © Microsoft Corporation 1985-1992
All Rights Reserved

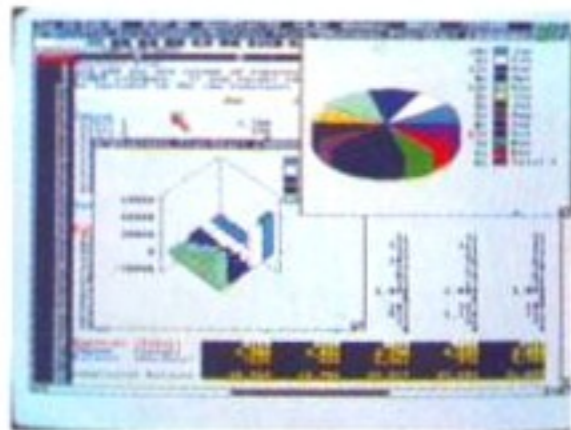
PLUS This is the future
What's in store for your Amiga?
OUR EXPERT PANEL PREDICTS THE NEW POWER GENERATION



**ONLY
£1.50**

Packed with facts

Make your Amiga more intelligent and see your bright ideas blossom



See all your plans come to perfection with Maxiplan4. This upgrade of Amiga's best-selling spreadsheet is more than an improvement, it's a real revelation. It's compatible with the new

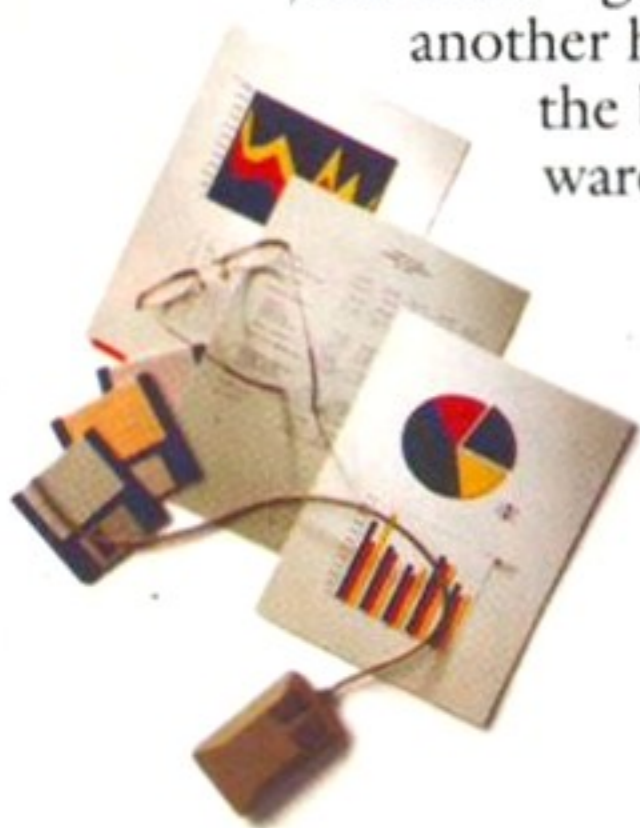
Workbench 2.0 as well as 1.3. To ensure extra speed, flexibility and a truly professional finish.

Fantastic features

Whether for financial analyses, database lists or marketing research, Maxiplan4 has it all. More charts, graphs and presentations. More eye-catching colours. More macro commands. You can create up to 50 charts per spreadsheet. In a faster, friendlier environment. With everything from user-definable page breaks to file linking and various data viewing modes. Maxiplan4 is even compatible with Lotus 1-2-3™.

More for less

A list of each and every benefit would simply take up too much space. But one fact is immediately obvious. At just £49.99*, Maxiplan4 makes your money - and your ideas - go far further. It all adds up to yet another hit from The Disc Company... the brains behind the brainiest software!



Kindwords3 gives Amiga's most popular word processor a big boost. For a start, this new version is faster, far more powerful and fantastically friendly. Incorporating the incredible Human Interface Protocol™, it works harder for you. So you don't have to work so hard!



Over 25 major improvements

Get to grips with words and graphics instantly. Advantages include automatic text wraparound for pictures. From all graphic file formats of any colour or resolution. Up to 255 fonts per document are available, including high density printing fonts. There's also an expanded British Collins dictionary and thesaurus, on-line help, a WYSIWYG display... and much more. While a digital clock keeps track of time.

Perfectly priced

So what's the price of this superior software? That's the best news of all: only £49.99*. Which proves that the best really can cost less! What's more, Kindwords3 also works with Workbench 2.0 (and, of course, 1.3). What else? Check it out right now at your nearest computer store.

* suggested retail price

MaxiPlan4 SPREADSHEET

KindWords3 WORDPROCESSOR

THE DISC COMPANY

Outstanding upgrade offer

Yes, I want to make my Amiga more intelligent, at the outstanding upgrade price of £19.99.
To qualify for this offer, I am returning my original Kindwords and/or Maxiplan disks.
Name _____
Address _____
Town/City _____ Post Code _____
Country _____
Daytime Phone _____
Credit Card Number _____
Expiry date ____ / ____
Signature _____

Send me _____ MaxiPlan4 at £19.99 inc.VAT each + £3 shipping charge £ _____
Send me _____ KindWords3 at £19.99 inc.VAT each + £3 shipping charge £ _____
Total Enclosed: _____

Method of payment by cheque, VISA, Master Card, EuroCard, Switch and Money Orders.

DO NOT SEND CASH. Make cheque payable to : THE DISC COMPANY (UK) Ltd.
Send to : THE DISC COMPANY (UK) Ltd. C/O IMEDIAT, B3, Edison Road, St Ives, Huntingdon, PE 17 4LF, United Kingdom. Allow 2 weeks for delivery.
For information call: 0480 496 688; Fax : 0480 494 512



Both upgrades require Amiga 500, 500+, 600, 600 HD, 1000, 2000 or 3000, Workbench 1.3 or 2.0, 1 MB RAM (additional memory recommended). Two Disk Drives or Hard Disk recommended.
Can be upgraded to Kindwords 3.0: Kindwords 1.0, 1.2, 2.0, Publisher's Choice, Home Office Kit, Starter Kit, PowerWorks and other bundle packs containing any version of Kindwords.
Can be upgraded to Maxiplan 4.0: Maxiplan 500, Maxiplan Plus, Home Office Kit and PowerWorks.

High-powered desktop publishing at a price you'll be powerless to resist!

Unleash the full text and graphic capabilities of your Amiga.

The Publisher, at only £49.99, is as powerful as packages which cost four or five times the price. While The Publisher ColorPro, at £149.99, offers stunning APEX™ colour separations - unparalleled in the entire DTP industry. Whether you are a first-time user or a seasoned professional, you will be amazed by the ease and extensive range of features offered by The Publisher.



FREE PostScript™ Interpreter turns your dot-matrix, ink-jet or laser printer into a powerful PostScript printer!

UNRIVALED OUTPUT

Produce high-quality Linotronic masters on film and paper in up to 256 shades of grey and at resolutions as high as 2540 dots per inch - on pages sizes right up to 20" by 20".

ULTRA FAST OPERATION

There's no waiting around with The Publisher. The screen refresh rate and processing speeds are arguably the fastest on any computer platform.

FANTASTIC FONT SUPPORT

Apart from full support for Adobe™ Type 1 fonts, direct support for thousands of Macintosh™ and IBM-PC™ Type 1 fonts are also available - with type sizes from 3 to 2,000 points.

SUPERB SPECIAL EFFECTS

Create eye-catching, non-rectangular text boxes and implement text wraparound, drop caps and drop shadows with ease. Rotate text and graphics a full 360° in 10° increments. Expand, compress, magnify, and mirror any text or graphic element in seconds.

UNMATCHED VERSATILITY

The Publisher supports a wide range of word processors and will import almost all graphic formats.

CHANGE TO COLOUR

If you want all of the above features plus full colour, then the only choice is The Publisher ColorPro. At £149.99, this sophisticated package features stunning APEX colour separations, fractal PostScript backgrounds, true PostScript screen preview and more! It puts your Amiga right at the top producing the ultimate in colour desktop publishing.



THE Publisher
PAGE LAYOUT

Superior software from
THE DISC COMPANY

THE Publisher color PRO
PAGE LAYOUT



Outstanding Upgrade Offer!

Kindwords, Pagesetter, Maxi-Plan, Professional Page, Pagestream, Publisher's Choice and Home Office Kit users:

Yes, I want to transform my Amiga into a powerful desktop publishing system for the outstanding upgrade price of just £29.95 for The Publisher, or £89.95 for The Publisher ColorPro. To qualify for this offer, I am returning my original disks or manual cover.

Name _____

Address _____

Town/City _____

Postal Code _____ Country _____

Daytime Phone _____

Credit Card Number _____ Expiry Date _____

Signature _____

Send me _____ The Publisher at £29.95 each inc.
VAT + £3 shipping charge £ _____

Send me _____ The Publisher ColorPro at £89.95 each inc.
VAT + £3 shipping charge £ _____

TOTAL £ _____

Cheque, Visa, Master Card, EuroCard, Switch and Money orders are accepted. DO NOT SEND CASH. Make cheque payable to: The Disc Company (UK) Ltd.

Send to: THE DISC COMPANY (UK) Ltd., C/O IMEDIAT, B3, Edison Road, St. Ives, Huntingdon, PE 17 4LF, United Kingdom. Allow three weeks for delivery.

For additional information, demonstration disks, or brochures, visit your Amiga dealer or phone 010-331-49109995. Fax 010-331-47611746.

Minimum requirements: 1.5 MB of memory and two disk drives; Amiga KickStart and Amiga Workbench 1.3 or higher. All trademarks acknowledged. PE 17 4LF, United Kingdom. Allow three weeks for delivery.

With graphics as the flavour of the month, we decided to send **Asam Ahmad** to give us a full run-down (or across) on the latest hand-scanner. Here is his report.

Alfa Data Scanner

Mono hand scanner ■ £335 ■ Golden Image

SO WHAT'S SO special about this scanner? Well, at its hefty price-tag you'd expect something special: and yes with this package you get a hand-scanner capable of resolutions up to 400dpi (dots per inch), a copy of *MiGraph TouchUp* scanning and editing software; a copy of *Merge-It* to join-up scanned images, and the star of the show, a special version of *MiGraph OCR*, optical character recognition software, made for the Alfa Data scanner.

The scanner runs from an adaptor that connects to your parallel port. Unfortunately, there is no through-port, so you have to keep unplugging the scanner module and plugging in your printer (if you have a parallel printer). This can be a little annoying when you have a nightmare situation like mine – where there are cables galore behind your Amiga. Anyway, as well as the parallel port device, there is a power adaptor that has to be plugged into the mains to power to the scanner.

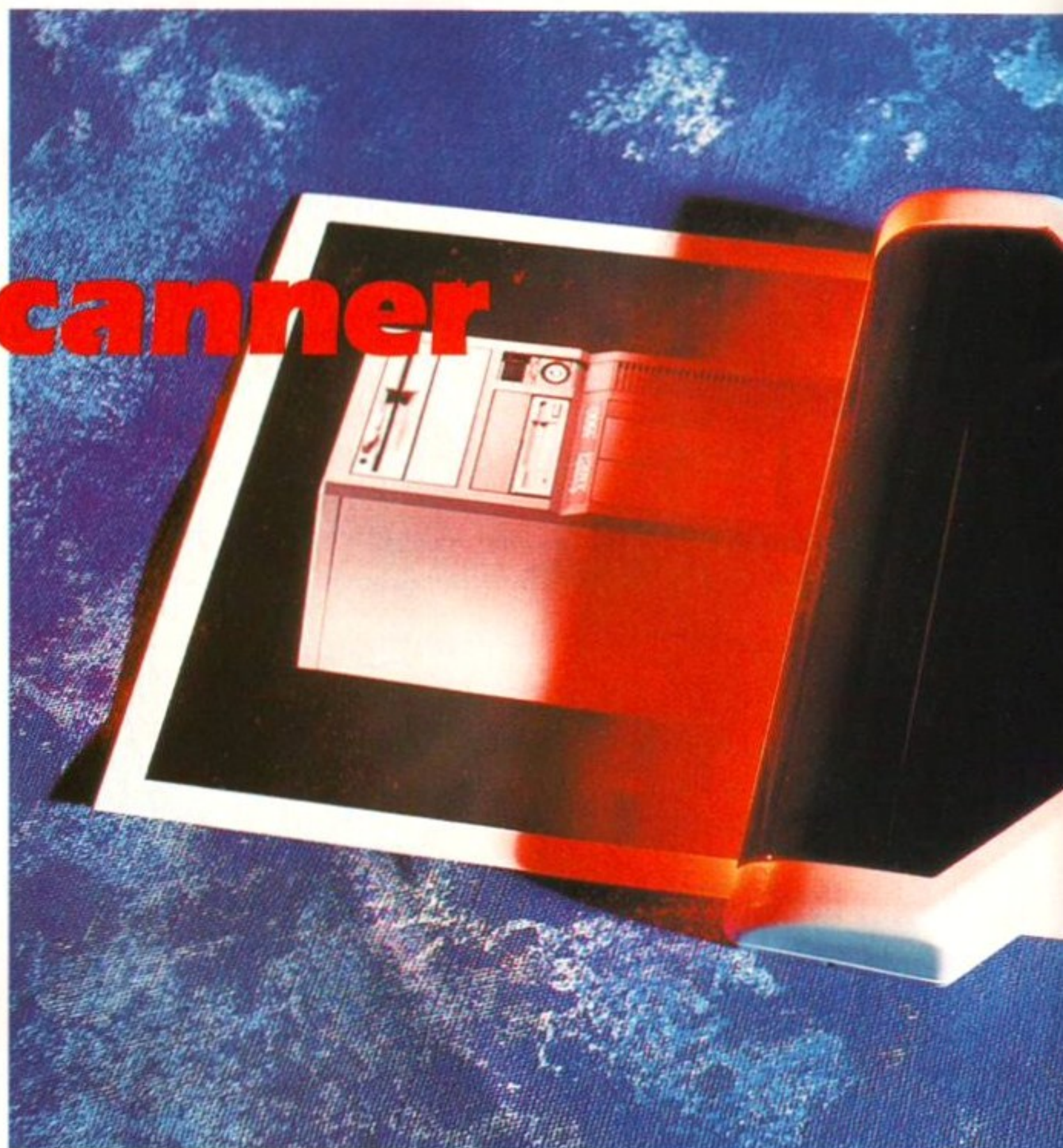
On the scanner there are a few twiddly bits to control how your scan will appear. There is a slider that enables you to select the resolution that you want to scan your image in at. This can be either 100, 200, 300 or 400dpi (dots per inch). When scanning, it is vital to bear in mind what the final picture is going to be used for. If you are scanning in an image to use on screen, there is no point in scanning at 400dpi, especially when you consider that a monitor is only capable of displaying around 65dpi. However if you plan to use a scan in a document or something that is to be printed out, it is best to choose a scan as close as possible to the resolution of your printer.

There is also a brightness wheel to control the saturation of the image, and a switch that controls the halftone resolution. This determines how big the halftone dot is, which fundamentally determines how coarse the image will appear. There are three halftone settings, and also a letter setting. The latter tells the scanner to ignore all shades, and send an image as a pure black-and-white scan. This is ideal for scanning text, or hand-drawn line-art because it produces a sharp image with no dithering. The last button on the scanner is the Start button which, as its name suggests, indicates when you are actually scanning.

The *TouchUp* software included in the package is pretty comprehensive. It has an abundance of tools for scanning and manipulating your image. Scanned images, despite the fact they are only mono, can take up quite a bit of memory, especially for a full-width 400dpi

The Alfa Data Scanner: full OCR combined with a reasonably smooth scan-response has to be weighed up against a quite substantial price.

The ALFA DATA SCANNER is available from Gasteiner Technologies 081-365 1151



scan. So, it is advisable to have quite a bit of memory free. The minimum requirement is 3Mb, but if you are careful, and don't have too many windows open on Workbench and any background tasks, 2Mb might suffice.

To scan an image, you have to select the scan-resolution from the software and from the scanner. This means that you can select different resolutions on each, effectively using this ability to alter the image size on the Amiga. If for example, you set the software to 400dpi, and the scanner to 100dpi, the scanned image would be a quarter of the original. Setting software to 100dpi, and the scanner to 400dpi, the

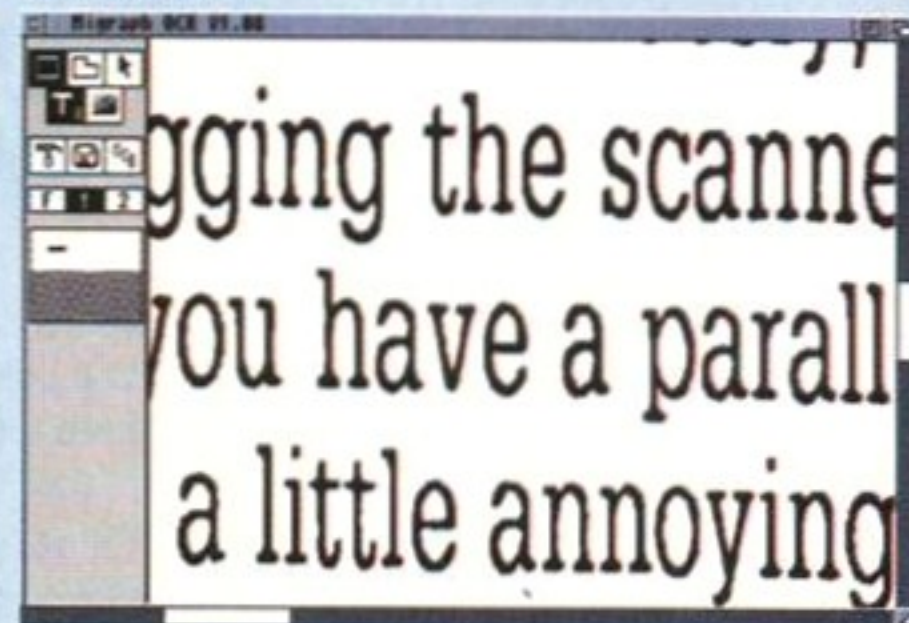
image would be four-times larger. You also have to select the scan length in order to determine the size of the image you want to scan.

This done, it's just a case of moving the scanner over your image at a steady rate. The Alfa Data isn't as bad as some others because you don't have to move the head at a snail's pace for the Amiga to keep up. There is also a little, red LED on the unit that starts to flash if you start going too fast. If the light goes out however, it's time to start the scan again because you will have lost some data.

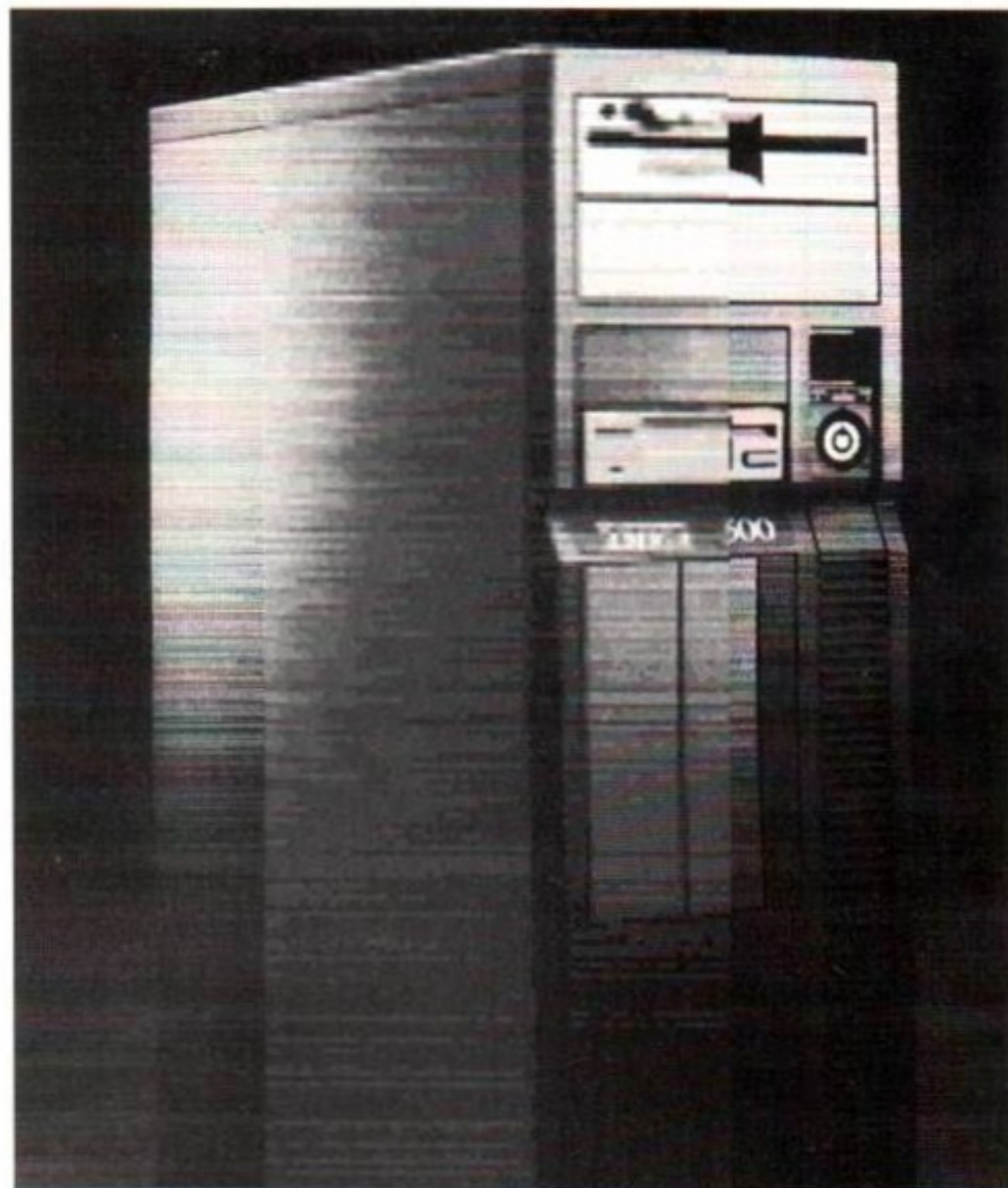
The other functions *TouchUp* provides are mainly to do with editing the picture and

WHAT'S SO SPECIAL ABOUT THIS TEXT?

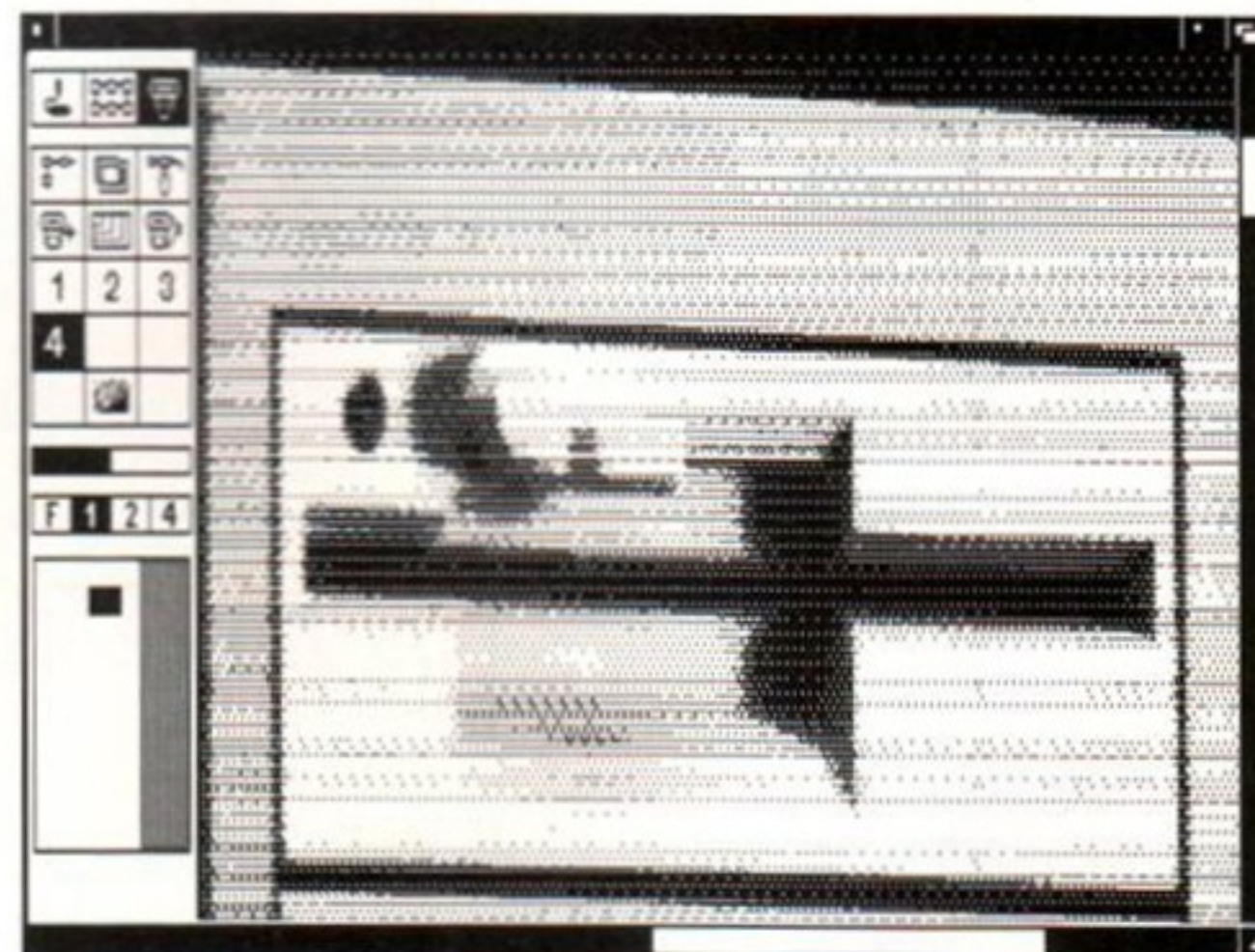
so what's so special about this scanner? Well from the price, you'd probably expect something special, and indeed with this package you get a hand scanner capable of resolutions up to 400dpi, a copy of *MiGraph TouchUp* scanning and editing software, *Merge-It*, to join up scanned images, and the star of the show, a special version of *MiGraphOCR*, optical character recognition software, made for the Alfa Data scanner. The scanner itself runs from an adaptor that connects to your parallel port. Unfortunately, there is no through port, so you have to keep unplugging the scanner module and plugging in your printer (assuming you have a parallel printer) whenever you want to use it. This can be a little annoying when you have a nightmare situation like mine, where there are cables galore behind your Amiga and a right old spaghetti junction. Anyway, as well as the parallel port device, there is a power adaptor that has to be plugged into the mains and feeds into it, supplying power to the scanner. On the scanner you have a few twiddly bits to control how your scan will appear. There is a slider that allows you to select the resolution that you want to scan your image in at. This can be either 100, 200, 300 or 400dpi. When scanning it is vital to bear in mind what the final picture is going to be used for. If you are scanning in an image to use on screen, there is no point in scanning at 400dpi, especially when you consider that a monitor is only capable of displaying around 65dpi. However if you plan to use a scan in a document or something that is to be printed out, it is best to choose a scan as close as possible to the resolution of your printer.



The OCR software in action. After scanning in the raw words, it is time to translate it into ASCII text.



The Amiga 3500, half scanned and printed directly at 400dpi, and half converted to a 31-greyscale image. As you can see, the quality is pretty good.



The TouchUp software enables you to... er touch up the pictures you scan in, and manipulate them so they look as good as possible.

touching it up. There are brush facilities and various other tools to enhance the image. When saving the image you have the option to save it as a pure black-and-white image or, by some clever image processing, as a 16-colour image or as a 31 'apparent' colour image using a 2x2 picture cell. This is ideal for creating screen images. DTP fans can also save out as 24-bit IFF or as 8-bit TIFF, as well as a couple of other alien formats.

The problem with hand-scanners of course is that you are restricted to a scan width of around four inches. In order to overcome this limitation, the scanner is provided with

The 'text' on the left hand side is no normal text, it's actually what the *MiGraph* OCR software interpreted from the text in the first column. The original was printed out at 300dpi, using a 12pt font, rather than scanning the text straight from the magazine, using the 8pt Times font. All the text was worked out automatically by the software and, where it didn't know a character, it inserted an '@' symbol.

The smaller the text, the higher the resolution you have to scan at. The text on this page is output at 1,270dpi, so at 400dpi, the image would be fine. If however the same 8pt text was output at 300dpi, then a scan at 400dpi, would not provide sufficient accuracy for a good interpretation of the text.

IT'S NOT ALL HERE IN BLACK AND WHITE

In the main, a black-and-white image is made up of halftones to convey the illusion of different shades of grey. This works by using halftone cells (or dots). For example, if you have a halftone cell of 2x2 pixels, you have a maximum of up to four shades of grey, by filling in the dots in the cell, ranged from none to full. Therefore if you have a cell of 4x4 pixels, you have a 16-greyscale image.

The trade-off here is that the larger the halftone cell, the coarser the image will appear and, despite the fact that you might have many apparent shades, you will have an image with a very detail level. It is best to think about this, and whether you need more detail or more shades, when considering the subject matter you are scanning.

The picture of the Amiga 3500 above was scanned at 400dpi, and processed by the *TouchUp* software. It was saved as a normal image, and also as an apparent 31-greyscale image. You can see the difference that the conversion from halftone cells to shades makes; the 31-greyscale version looks a lot smoother.

Merge-It software which does exactly that. It will take two scanned images, and will try and join them up.

The program is very good at this and provides you with some fine positioning control to overlay the edges of the two scans together. Finally, it will save the newly formed image as one file.

The cherry on the cake is the OCR software. This has been specially written for Alfa Data so you can't take any old image and process it; all the data has to come directly from this scanner. In order for it to operate at its best, you have to set the scanner to 400dpi (the highest resolution) and into text mode so the image has no grey scales.

The software is very impressive in operation. It has some intelligent algorithms to relate scanned characters into actual text, and in the interactive mode it will ask you to define the characters it doesn't understand. It uses these definitions to help work out the rest of the words in the scan.

It can even learn from every scan, to build up its own little dictionary. After a few uses, this option really does come into its own and, in order to make the most of your investment, I would advise that you make good use of it.

I was quite pleased with the results that the scanner produced and, despite the high price (compared with most scanners at around £100) the programs that you get with it are of a very high quality and are very functional.

It is possible to scan in good images with very little hassle. The only real down-point (once you have got the money together that is) is that for the best results, you need to have at least 3Mb of memory, and preferably a fast processor, so that you don't have to move the scan-head terribly slowly to make sure the computer gets all the data.

All in all - and even considering the price - a very good package, and especially useful for DTP users that need to scan in pictures for flyers, for Amiga users that want to scan in pictures for graphics or whatever. If you can afford this scanner, then you should seriously consider going for it.

Alfa Data Scanner

SPEED ●●●

Not tremendously fast, but then again, you are playing with big images.

DOCUMENTATION ●●●●

Good manuals for all the bits of software. All you need to know is here.

ACCESSIBILITY ●●●●●

Lots of features, especially with the OCR software and *MiGraph TouchUp*.

FEATURES ●●●●

The basics are reasonably easy to get the hang of, and it works well enough.

VALUE ●●●

The price is double most other scanners and, even taking the OCR into account, it's too high.



79%

Now the fun

fun School Specials

Three
brand new
programs from
the makers of
Fun School

In response to consumer demand, a range of Fun School Specials has been developed to help children with specific areas of learning. Following the release of Fun School 4, parents and teachers have consistently requested products which focus on certain

subjects in more depth – in particular spelling, maths and creativity skills. The aim of the Fun School Specials is to complement children's school work. All the products comply fully with the National Curriculum syllabus.

Paint and Create

For five year olds and over

Paint and Create is designed to help children exercise and develop their creative talents.

It consists of six entertaining activities, some with a practical bias, some which are pure fun.

Programs within Paint and Create include Art Alive, Jigsaw, Music Maestro, Card Creator, Monster Maker and the Activity Menu (which allows access to all the other programs).

Available for Amiga, PC and C64 cassette.

ART ALIVE



Art Alive is an incredible art package specially designed for children – they can draw freehand or choose from a bank of pre-drawn pictures.

CARD CREATOR

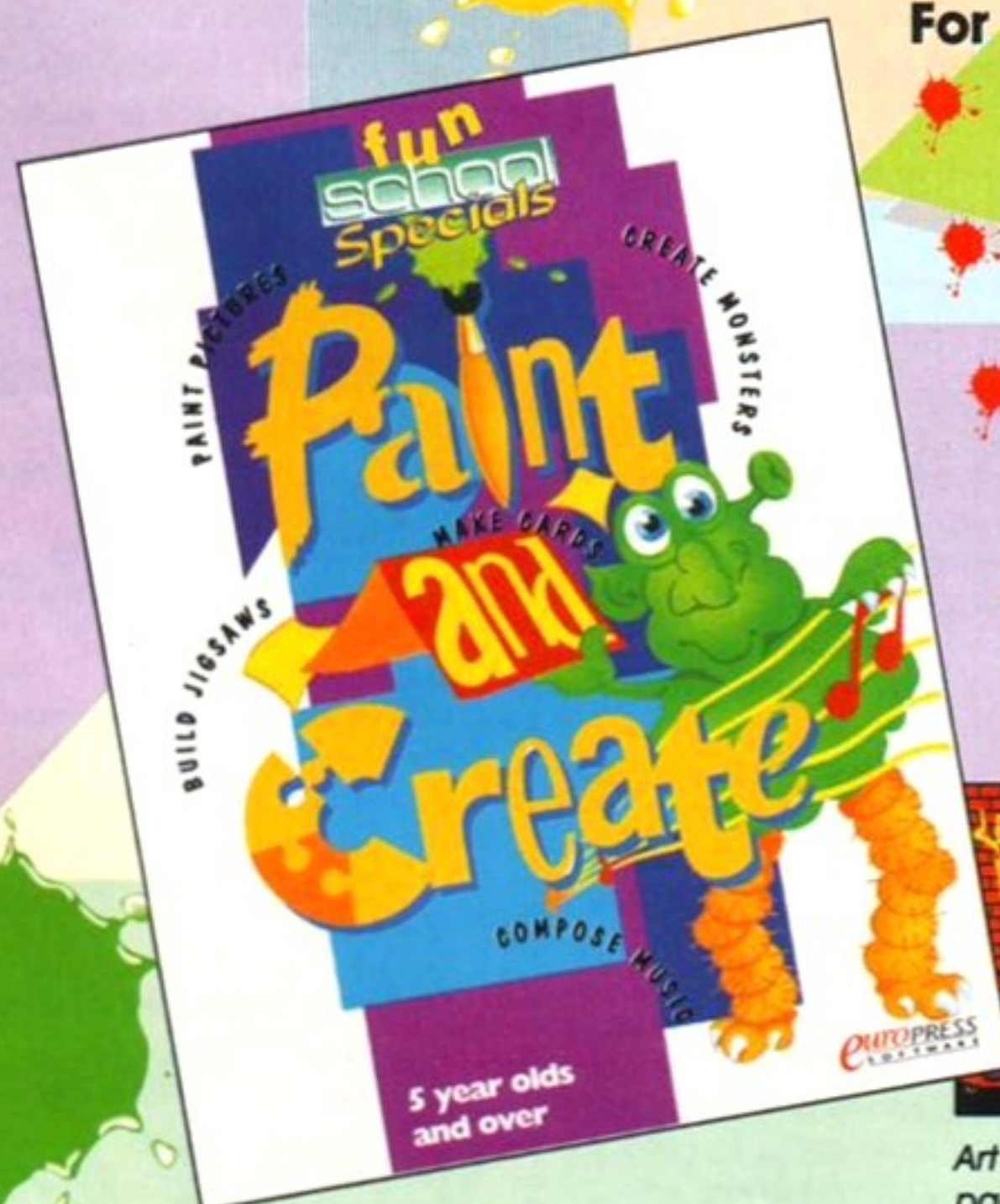


Card Creator encourages children to design and produce their own eye-catching greetings cards for every occasion.

MUSIC MAESTRO



Let the music play! Using Music Maestro children can create their own band from a choice of players and make sweet music.

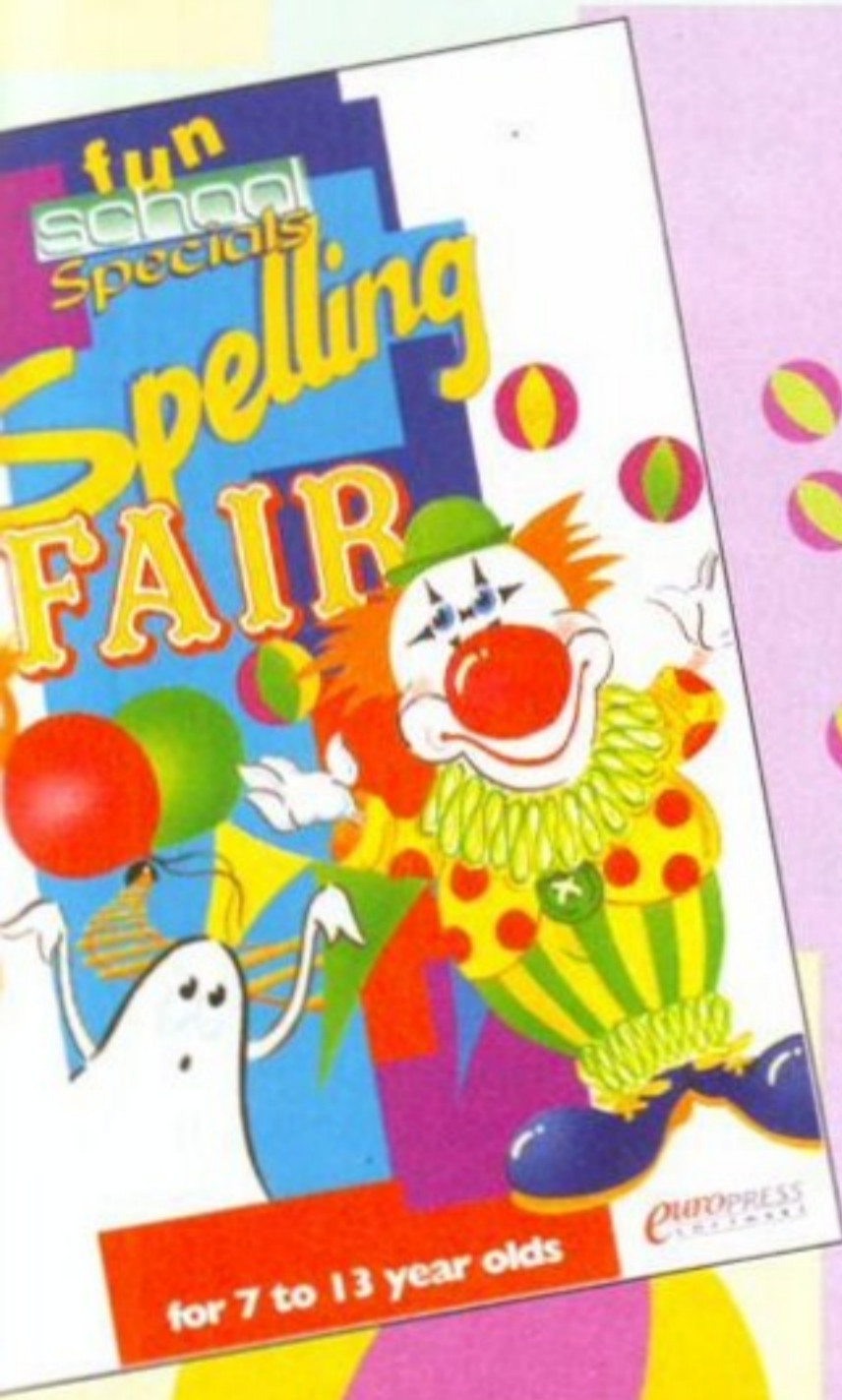


really begins!

Spelling FAIR

For 7 to 13 year olds

- A unique package designed to help children master basic spelling techniques.
- The six programs within the package are set in a colourful fairground and incorporate the essential "fun" element that has made the Fun School products so popular.
- Sixty levels of difficulty to suit children of all ages and abilities.
- The package incorporates a 3,000-word dictionary containing carefully-selected words which frequently cause children difficulty.
- Parents or teachers can easily create their own mini dictionary of words that require special attention.
- Special selection of words to cater for the needs of dyslexic children.
- Available for Amiga, PC and C64 cassette.

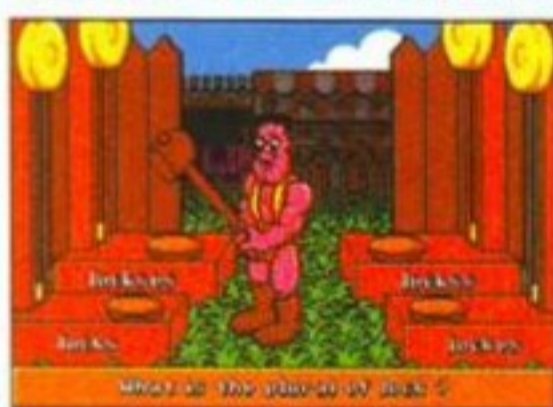


HAUNTED HOUSE



Haunted House helps extend a child's vocabulary, teaching all about homophones (their/there, caught/court etc).

TEST YOUR STRENGTH



Children use the hammer to bang the gong in Test Your Strength - and discover for themselves lots of unusual plurals.

CIRCUSWORDS

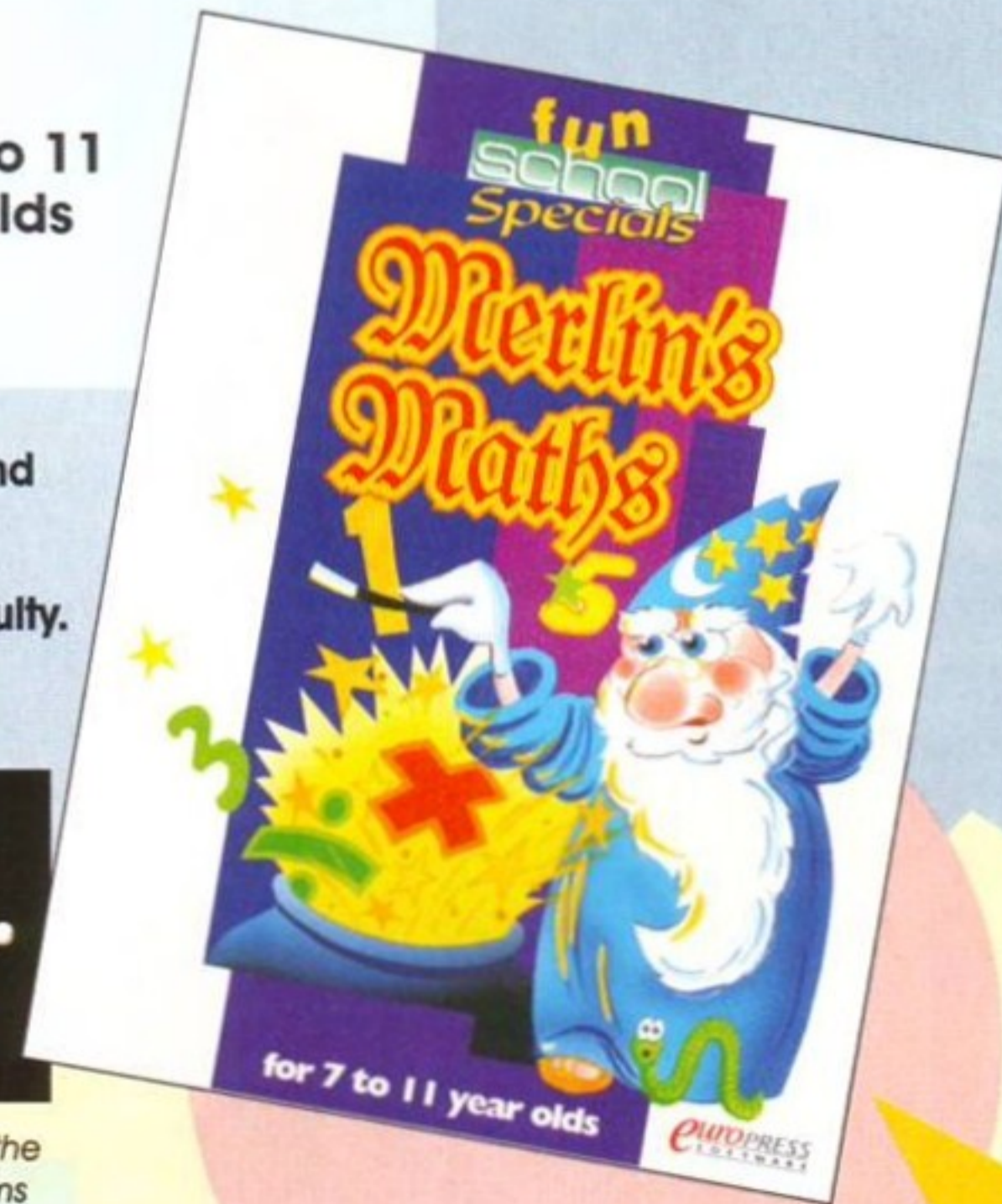


Circuswords: Children will love seeing the human cannonball come to life as they complete crosswords using both new and familiar words.

Merlin's Maths

For 7 to 11 year olds

- ★ Merlin the Wizard guides the child through exercises in counting, decimals, fractions, adding, subtracting and volumes.
- ★ Merlin's Maths combines the essentials of eye-catching graphics and rewarding sequences to keep children amused while they learn.
- ★ Each program within Merlin's Maths has at least three levels of difficulty.
- ★ Available for Amiga and PC.



MERLIN'S MATHS



Merlin the wizard guides the child through the programs in Merlin's Maths.

BROKEN BATTLEMENTS



Help Merlin build the castle wall by completing counting, adding and multiplication calculations in Broken Battlements.

CRYSTAL CONFERENCE



Crystal Conference: Get the sums right and watch the knights of the round table enjoy their banquet.

europress
SOFTWARE

Europress Software Limited,
Europa House, Adlington Park,
Macclesfield SK10 4NP.
Tel: 0625 859333

Europress' acclaimed range of educational programs has recently been extended to include a fairground full of lexicographers. **Neil Jackson** puts his spelling checker to the test. Now was that 'i' before 'e'?

Spelling Fair

Spelling Fair ■ £29.99 ■ Europress

AMIGA FORMAT

168

NOVEMBER 1992

ACCORDING TO *THE Daily Mail*, one in five pupils can't spell the word 'weather' and illiteracy is rife, even at university. It's a sorry state of affairs, and it's one that we can't expect the over-stressed education system to put right overnight. But if you're a parent, there is a way to boost your child's spelling ability without having to spend hours and hours acting as a personal tutor. Now we're not suggesting you opt out or cut corners with your offspring's education, but you can pass some of the donkey-work over to your Amiga.

Spelling Fair is made by the same team that created the *Fun School* range, and it's an easy way to help your children learn to spell. It consists of six main learning sections plus a dictionary and a spelling 'hot-word' list. Each section uses graphic displays and mouse-clicks to represent and alter the word being tested.

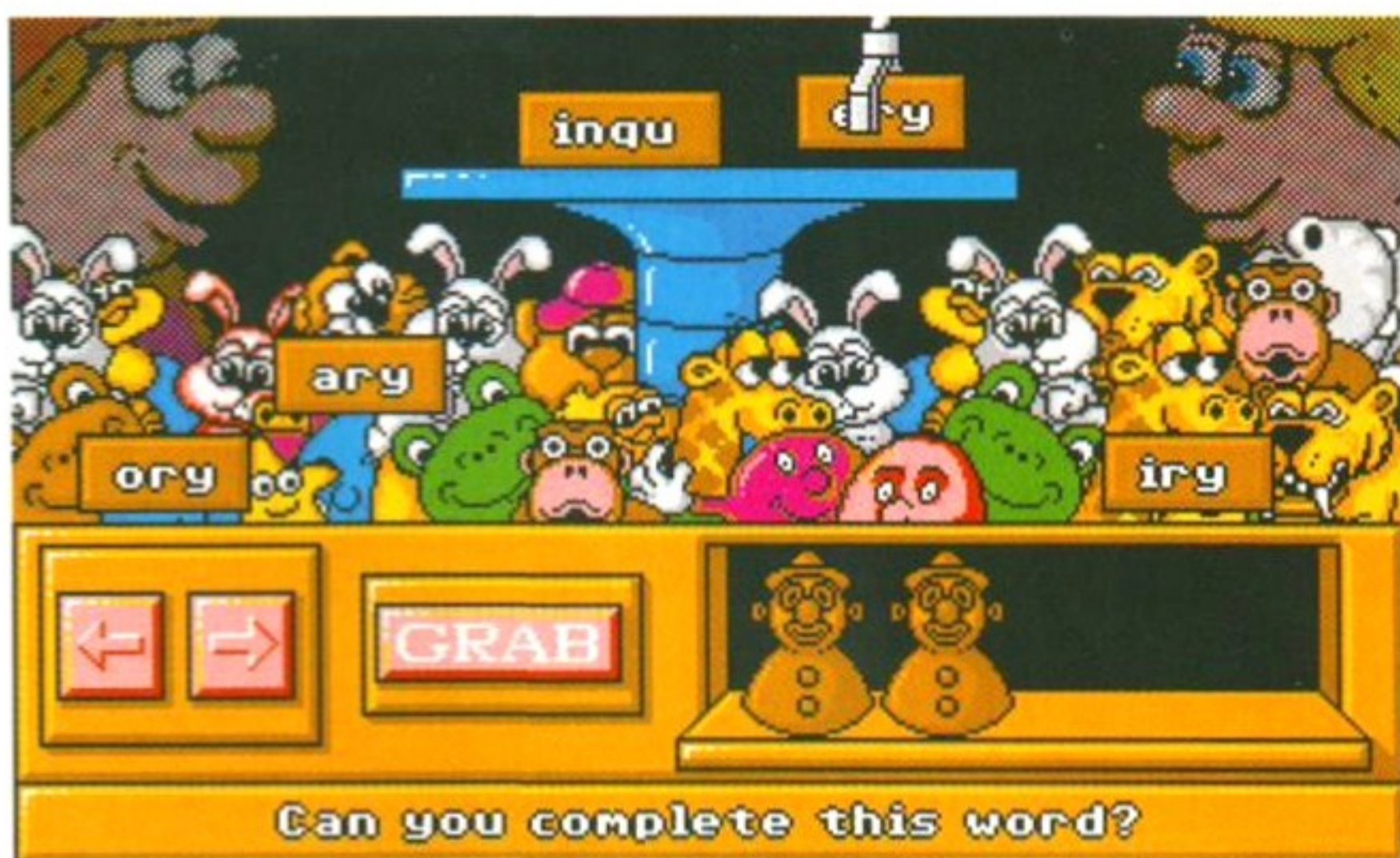
The first is Coconut Shy, where a row of coconuts is marked with letters. The pupils knock out the letters which aren't part of the word the clue is referring to. If they do it four times in a row they get an animated 'prize'. The coconut shy tests up to 12-letter words and each word usually has a couple of extra letters tacked on to the start or end.

Next up is Test Your Strength which tests for correct plurals. Here the pupil must direct a man with a hammer to hit the pad marked with the correct word from four possible choices. Each time one is answered correctly, people pop their heads round the fence to watch. Get four right to win a round of applause.

Plurals often give kids a real hard time, so the Test Your Strength section gives four possible plural variations for each word tested. Only the correct answer rings the bell.

SPELLING FAIR is available from **Europress** 0625 859333

Simple word recognition is tested here in the coconut shy. All you have to do is knock off the letters which aren't part of the word.



Another kind of word ending which causes problems for children is the Greek or Latin suffix. Here, a mechanical grabber demonstrates the way some words are built from a stem and a suffix.



Then it's the Mechanical Grab, a version of those annoying money-wasters which never quite manage to pick anything up. But in *Spelling Fair* it's where your child will pick up the correct use of word-endings. The stem of a word is displayed at the top of the screen and the pupil's job is to select the correct ending (like ion, tion, sion etc) that fits the stem. This is done by directing the grabber's hand to the correct ending and selecting 'GRAB'. The arm moves across the screen and drops down to pick up the word. A prize drops into the slot below if the pupil gets the word right. Get four right and a PacMan gobbles up all the prizes.

Haunted House is a test for commonly mis-chosen words like wear/where, it's/its, too/to/two and so on. A sentence is displayed, with the vital word missing. Clicking on the gap brings up the choices - the child has to type in the answer. Each time one is answered correctly, you can advance a place in the queue for the haunted-house ride. Get four right and a few ghosties and ghoulies appear.

In Circus Word a small, partially completed crossword appears. Moving the mouse over the squares displays a clue for the missing word. The child must click on the square, then type in a guess. Complete all the words in the crossword and you see the human cannonball fired from the cannon.

Finally, in Word Juggle, two clowns stand in the circus ring holding balls marked with letters. A clue appears below and the child has to swap the letters round to make up the word. Get the words right four times and a unicycling clown rides along carrying a banner marked 'well done'.

The remaining parts to *Spelling Fair* are intended for use by the parent or teacher,

though the average kid won't take long to realise how to use these bits too. The dictionary section enables the parent to edit the word clues or add new words and clues to the 3,000 words already stored. More useful is the Spelling List section where parents can add lists of words they know their child is having difficulty with. These 'hot-words' then appear in the games in random order, forcing the child to learn by repeated encounters.

If your son or daughter is having trouble with words, is aged between seven and 13, and can be trusted to use your Amiga (without loading a shoot-em-up the minute your back is turned), then they could really benefit from *Spelling Fair*. Its approach, though a bit juvenile for a 13-year-old, does make sense right from the word go.

Europress have included a host of awkward and often-confused words which even had a few of the journalists here pausing for a moment's thought. *Spelling Fair* can help with dyslexia, it can teach children to think about suffixes and break words down into easy segments, and it can give you peace of mind, all at the same time. For 30 quid, it's a steal; if only schoolbooks and dinner-money came that cheaply too.

Spelling Fair

- SPEED** ●●● Some of the sub-sections take around half a minute to load from disk.
- DOCUMENTATION** ●●● You don't really need any at all - the idea is to play as you learn.
- ACCESSIBILITY** ●●●● Simple point-and-click mouse interface makes it really easy.
- FEATURES** ●●●● Plenty of variation in test styles, and room for customisation.
- VALUE** ●●●● Indispensable if your young child has any difficulties with spelling.



87%

WE DO NOT SELL GREY IMPORTS

Special Reserve

Games Club

0279 600204

Open to 8pm Weekdays and to 5pm Weekends

ANNUAL MEMBERSHIP
 UK £6.99 EEC £8.99
 WORLD £10.99



We only supply members but you can order as you join.

The Special Reserve full colour club magazine *NRG* is sent to all members bi-monthly. *NRG* features full reviews of new games plus mini-reviews, new products, Special Reserve charts, Release Schedule and hundreds of special offers.



PLUS - EVERY ISSUE CONTAINS £30 worth of money-off coupons to save even more money off our amazing prices.

We sell games and accessories, all at amazing prices, for Megadrive, Master System, Game Gear, Super NES, Gameboy, NES, Lynx, Amiga, Atari ST, IBM PC, CDTV and IBM CD ROM.

Best Service, Best Prices, Biggest Selection
That's why over 100,000 people have joined Special Reserve.

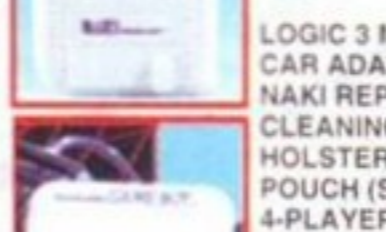
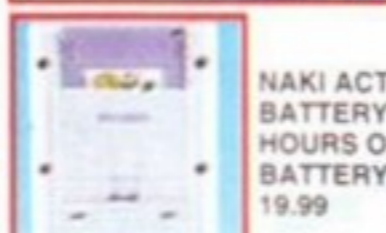
SUPER NES now in stock!
Ring 0279 600204 for details

Gameboy

with Tetris, 2 Player Lead Batteries, Stereo Headphones, **FREE Special Reserve Membership** AND **FREE Gameboy Holsters, Belt and Cartridge Pouch** OR **FREE Konix G.B Holster** (Please state your choice)

69.99

ADDAMS FAMILY	20.99
ADVENTURE ISLAND	20.99
ALLEYWAY	18.99
ASTEROIDS	16.99
BALLOON KID	16.99
BART SIMPSON'S ESCAPE	20.99
FROM CAMP DEADLY	20.99
BATMAN	20.99
BILL AND TED'S EXCELLENT ADVENTURE	23.99
BLADES OF STEEL	20.99
BOULDER DASH	20.99
BOXKLE	13.99
BUBBLE BOBBLE	20.99
BUBBLE GHOST	18.99
BUGS BUNNY	18.99
BURAI FIGHTER DELUXE	13.99
BURGERTIME DELUXE	18.99
CASTELIAN	22.99
CASTLEVANIA	13.99
CEASARS PALACE	20.99
CENTPEDE	16.99
CHASE HQ	20.99
CHOPLIFTER 2	20.99
DOUBLE DRAGON	18.99
DOUBLE DRAGON 2	20.99
DR FRANKEN	22.99
DRAGON'S LAIR - THE LEGEND	22.99
DUCK TALES	20.99
DYNA BLASTER	13.99
FOOTBALL INTERNATIONAL	20.99
FORMULA 1 RACE (WITH 4 PLAYER ADAPTOR)	24.99
GAUNTLET 2	20.99
GHOSTBUSTERS 2	18.99
GOLF	17.99
GREMLINS 2	20.99
HOME ALONE	20.99
HOOK	20.99
HUNT FOR RED OCTOBER	20.99
JORDAN VS BIRD	22.99
KICK OFF	20.99
KID ICARUS	18.99
KUNG FU MASTER	13.99
KWIRK	18.99
MARBLE MADNESS	20.99
MEGA MAN	18.99
MIKEY MOUSE	20.99
MISSILE COMMAND	16.99
MOTOR CROSS MANIACS	13.99
NAVY SEALS	18.99
NEMESIS	18.99
NINTENDO WORLD CUP	18.99
OTHELLO	18.99
PACMAN	20.99
PAPERBOY	18.99
PAPERBOY 2	20.99
PRINCESS BLOBBETTE	20.99
Q-BERT	20.99
R-TYPE	20.99
REVENGE OF THE GATOR	18.99
ROBOCOP	20.99
SIDE POCKET	18.99
SKATE OR DIE	18.99
SNEAKY SNAKES	20.99
SNOOPY'S MAGIC SHOW	20.99
SOLOMON'S CLUB	20.99
SPIDERMAN	18.99
SUPER MARIO LAND	18.99
SUPER RC PRO-AM	20.99
TEENAGE MUTANT HERO	20.99
TURTLES	20.99
TENNIS	17.99
TERMINATOR 2	20.99
TRACK MEET	20.99
TRAX	18.99
TURRICAN	22.99
TURTLES 2	24.99
WIZARDS AND WARRIORS	18.99
WWF SUPERSTARS	20.99



GAMELIGHT FOR DARK OR DIM LIGHT9.99
 MAGNIFIER (2X MAGNIFICATION)9.99
 AMPLIFIER FOR GAMEBOY (STEREO SOUND)9.99

MAGNIGHT FOR GAMEBOY (COMBINED MAGNIFIER AND LIGHT) 13.99

LOGIC 3 PROTECTOR CARRY CASE 9.99

HARD CARRY CASE FOR GAMEBOY WITH STORAGE SPACE FOR EARPHONES, SCREEN CLEANING KIT AND 4 GAMES 9.99

NUBY GAME PAK CARTRIDGE CASE (HOLDS 12 GAMEBOY GAMES) 9.99

KONIX G.B. HOLSTER FOR GAMEBOY (FITS TO BELT) 9.99

NAKI ACTION PACK RECHARGEABLE BATTERY FOR GAMEBOY (GIVES FIVE HOURS OF POWER - SLOTS INTO BATTERY COMPARTMENT) 19.99

LOGIC 3 MAINS ADAPTOR FOR GAMEBOY7.99
 CAR ADAPTOR FOR GAMEBOY5.99

NAKI REPLACEMENT SCREEN FOR GAMEBOY7.99
 CLEANING KIT FOR ALL CONSOLES6.99

HOLSTERS AND BELT WITH CARTRIDGE POUCH (SHOWN IN TOP LEFT PICTURE)9.99
 4-PLAYER ADAPTOR FOR GAMEBOY16.99

STEREO EARPHONES (SEE PICTURE IN LYNX SECTION)3.99
 GAMEBOY BATTERY PACK (RECHARGEABLE)23.49

INEVITABLY, SOME GAMES MAY NOT YET BE RELEASED. PLEASE PHONE 0279 600204 FOR LATEST RELEASE DATES AND AVAILABILITY.



WITH COLUMNS AND MAINS ADAPTOR

Game Gear with Columns
FREE Mains Adaptor
FREE Membership
99.99

AERIAL ASSAULT	23.99
AXE BATTLER	24.99
BATMAN RETURNS	25.99
CHESS MASTER	23.99
COLUMNS	17.99
CRYSTAL WARRIORS	27.99
D.ROBINSON BASKETBALL	24.99
DEVILISH	19.99
DONALD DUCK	24.99
DRAGON CRYSTAL	19.99
FANTASY ZONE GEAR	23.99
G-LOC	19.99
HALLEY WARS	24.99
JOE MONTANA (U.S.) FOOTBALL	19.99
LEADER BOARD	19.99
MARBLE MADNESS	24.99
MIKEY MOUSE	18.99
NINJA GAIDEN	19.99
OLYMPIC GOLD	23.99
PAPERBOY	23.99
PENGO	17.99
PSYCHIC WORLD	17.99
SENA SUPER MONACO	25.99
SHINOBI	19.99
SLIDER	19.99
SOLITAIRE POKER	19.99
SONIC THE HEDGEHOG	24.99
SPACE HARRIER	19.99
SPIDERMAN	24.99
SUPER KICK OFF	24.99
SUPER MONACO GP	19.99
TERMINATOR	24.99
WIMBLEDON TENNIS	24.99
WONDER BOY	17.99
WONDERBOY - DRAGONS TRAP	24.99
WOODY POP	17.99
YOUNG INDY	25.99

CAR ADAPTOR FOR GAME GEAR17.99
 GEAR TO GEAR CABLE (LINKS TWO GAME GEARS)5.99
 SEGA MAINS ADAPTOR FOR GAME GEAR (GENUINE ITEM)9.99
 LOGIC 3 MAINS ADAPTOR FOR GAME GEAR7.99
 STEREO EARPHONES (SEE PICTURE IN LYNX SECTION)3.99
 SEGA WIDE GEAR MAGNIFIER FOR GAME GEAR14.99



GEAR MASTER CONVERTER (ENABLES USE OF MASTER SYSTEM GAMES ON GAME GEAR) 17.99



BEESHU MAGNIFIER FOR GAME GEAR 11.99



BATTERY PACK FOR GAME GEAR (RECHARGEABLE FROM MAINS ADAPTOR) 29.99

SEGA TV ADAPTOR FOR GAME GEAR (TURNS GAME GEAR INTO HANDHELD TV) 64.99

AV CABLE FOR GAME GEAR (LINKS GAME GEAR TV TUNER TO VIDEO RECORDER) 8.99



CARRYBAG FOR GAME GEAR 10.99

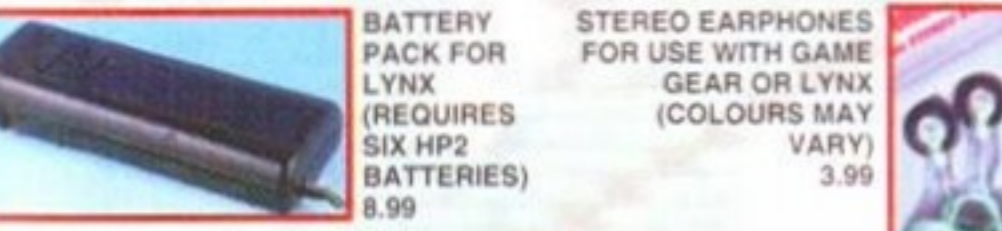
STORAGE RACK FOR CARTRIDGES (STACKABLE) 9.99

LOGIC 3 PROTECTOR CARRY CASE FOR GAME GEAR9.99



WITH SONIC, SUPER MONACO GRAND PRIX AND MAINS ADAPTOR

Game Gear with Sonic The Hedgehog Sega Mains Adaptor
FREE Super Monaco Grand Prix WORTH 19.99
FREE Special Reserve Membership WORTH 6.99



Specifications for Lynx 2. Back-lit colour screen for night or day playing. 4096 colours. 64K RAM. 4 channel sound. Powerful 16MHz processor. 8 Meg game capacity.

BATTERY PACK FOR LYNX (REQUIRES SIX HP2 BATTERIES) 8.99

STEREO EARPHONES FOR USE WITH GAME GEAR OR LYNX (COLOURS MAY VARY) 3.99

ATARI KIT CASE FOR LYNX, ACCESSORIES AND GAMES16.99
 ATARI MAINS ADAPTOR FOR LYNX (GENUINE ITEM)14.99
 CAR ADAPTOR FOR LYNX14.99

CARRYBAG FOR GAME GEAR OR LYNX 2 10.99
 CARRYBAG FOR LYNX 1 11.99

CLEANING KIT FOR ALL CONSOLES OR HAND-HELDS6.99



STORAGE RACK FOR CARTRIDGES (STACKABLE) 9.99
 COMLYNX MULTI-PLAYER CABLE FOR LYNX8.99



SUN VISOR/ SCREENGUARD FOR LYNX 27.99

APB23.99
 AWESOME GOLF23.99
 BASEBALL HEROES23.99
 BASKETBALL23.99
 BATMAN RETURNS27.99
 BILL AND TED'S EXCELLENT ADVENTURE23.99
 BLUE LIGHTNING23.99
 CHECKERED FLAG23.99
 CHIPS CHALLENGE17.99
 CRYSTAL MINES 223.99
 DIRTY LARRY - RENEGADE COP23.99
 DRACULA27.99
 ELECTRO COP19.99
 EUROPEAN TOURNAMENT SOCCER23.99
 GATES OF ZENDECON17.99
 HARD DRIVIN'23.99
 HOCKEY23.99
 HYDRA23.99
 HYPERDROME23.99
 ISHIDO16.99
 JIMMY CONNORS' BAD BOY TENNIS CHALLENGE23.99
 KLAX23.99
 KUNG FOOD23.99
 LYNX CASINO23.99
 MALIBU BIKINI VOLLEYBALL23.99
 MS PACMAN14.99
 NFL FOOTBALL23.99

NINJA GAIDEN23.99
 PACLAND18.99
 PAPERBOY19.99
 PINBALL JAM23.99
 PITFIGHTER27.99
 QIX16.99
 RAMPAGE22.99
 RAMPART23.99
 ROAD BLASTERS17.99
 ROBO SQUASH15.99
 ROBOTRON 208416.99
 RYGAR19.99
 S.T.U.N RUNNER19.99
 SCRAPYARD DOG19.99
 SHADOW OF THE BEAST27.99
 SHANGHAI19.99
 SLIMEWORLD23.99
 SPACE WAR23.99
 STEEL TALONS23.99
 SUPERSKWEK23.99
 TOKI23.99
 TOURNAMENT CYBERBALL23.99
 TURBO SUB19.99
 ULTIMATE CHESS CHALLENGE22.99
 VIKING CHILD23.99
 WARBIRDS23.99
 XENOPHOBE23.99
 XYBOTS23.99
 ZARLOR MERCENARY23.99

Game Gear with

Sonic The Hedgehog Sega Mains Adaptor

129.99

FREE Super Monaco Grand Prix WORTH 19.99
FREE Special Reserve Membership WORTH 6.99



Atari Lynx 2 Batman Pack with

99.99 **Batman Returns game**

FREE Mains Adaptor
FREE Special Reserve Membership

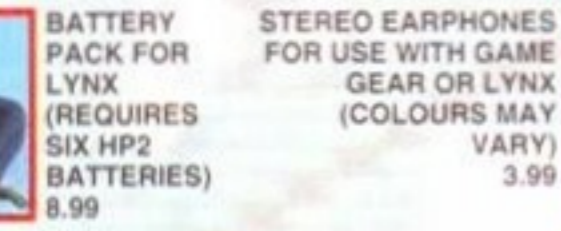


ATARI KIT CASE FOR LYNX, ACCESSORIES AND GAMES16.99
 ATARI MAINS ADAPTOR FOR LYNX (GENUINE ITEM)14.99
 CAR ADAPTOR FOR LYNX14.99



CARRYBAG FOR GAME GEAR OR LYNX 2 10.99
 CARRYBAG FOR LYNX 1 11.99

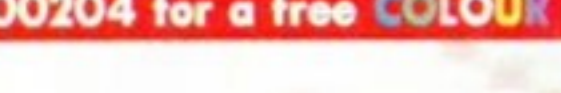
CLEANING KIT FOR ALL CONSOLES OR HAND-HELDS6.99



STEREO EARPHONES FOR USE WITH GAME GEAR OR LYNX (COLOURS MAY VARY) 3.99



STORAGE RACK FOR CARTRIDGES (STACKABLE) 9.99
 COMLYNX MULTI-PLAYER CABLE FOR LYNX8.99



SUN VISOR/ SCREENGUARD FOR LYNX 27.99

Inter-Mediate Ltd. Registered Office: 2 South Block, The Maltings, Sawbridgeworth, Herts CM21 9PG.

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN THERE IS A SURCHARGE OF 50p PER GAME ON TELEPHONED ORDERS. (PLEASE PRINT IN BLOCK CAPITALS) WAS 23

Name _____

Address _____

Postcode _____

Telephone _____ Machine type _____

Enter membership number (if applicable) or Membership £6.99 UK, £8.99 EEC, £10.99 World

item _____

item _____

item _____

item _____

ALL PRICES INCLUDE UK POSTAGE & VAT £

Cheque/P.O./Access/Mastercard/Switch/Visa Switch Issue No. _____

Credit card expiry date _____ Signature _____

Cheques payable to: **SPECIAL RESERVE**

P.O. BOX 847, HARLOW, CM21 9PH

Overseas Orders: EEC software orders - no extra charge

World software orders please add £1.00 per item.

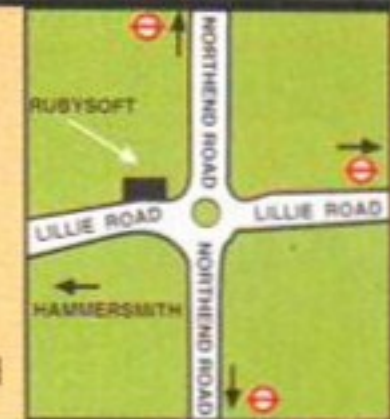
Non-software items please add 10% EEC or 25% World.

Overseas orders must be paid by credit card.

Phone 0279 600204 for a free COLOUR catalogue

Rubysoft

RUBYSOFT (Dept AF)
96 Lillie Road, London,
SW6 7SR, England
Tel: 071-381 8998
or: 071-610 1703
Fax: 071-610 1703



*Shop prices will differ from those advertised

RUBY CHARTBUSTERS • RUBY CHARTBUSTERS • RUBY CHARTBUSTERS

	ST	AMIGA		ST	AMIGA		ST	AMIGA		ST	AMIGA
A-Train	N/A	£25.99	Dojo Dan	N/A	£17.99	Hook	£16.99	£16.99	Might and Magic 111	N/A	£22.99
A320 Airbus	£26.50	£26.50	Double Dragon 3 (Rosetta)	£16.99	£16.99	Hoyles Book of Games	N/A	£6.99	Midwinter 2 1Mb	£22.99	£22.99
Abandoned Places	£19.99	N/A	Dragons Lair 2 Time Warp	N/A	£26.99	Ian Bothams Cricket	£19.99	£19.99	Moonbase *	£22.99	£22.99
Advantage Tennis	£17.99	£17.99	Dune	N/A	£19.99	Indiana Jones Fate of Atlantis *	£17.99	£17.99	Moonstone	£20.99	£20.99
Addams Family	£17.99	£17.99	Dungeon Master + Chaos *	£17.99	£17.99	International Sports Challenge	£20.99	£20.99	Monkey Island 1Mb	£16.99	£16.99
Air Bucks	£20.99	£20.99	Dyna Blaster/Bomberman	£19.99	£19.99	Ishar Legend of the Fortress	£19.99	£19.99	Monkey Island 2 1Mb	N/A	£24.99
Air Support (Psychosis) *	£17.99	£17.99	Dynamite Debugger *	£17.99	£17.99	Jaguar XJ220	£17.99	£17.99	Myth History in the Making	£17.99	£17.99
Air Warrior	£24.99	£24.99	Elf	£16.99	£16.99	Jim Power *	£17.99	£17.99	Nigel Mansells World Championship	TBA	TBA
Another World	£17.99	£17.99	Elvira The Arcade	£17.99	£17.99	Jimmy White's Snooker	£19.99	£16.99	Nova 9 *	N/A	£24.99
Apolyda	N/A	£17.99	Elvira Mistress of the Dark 2	£22.99	£22.99	John Barnes' Football	£17.99	£17.99	Paladin 2	£19.99	£19.99
Apocalypse	£17.99	£17.99	Epic	£19.99	£19.99	John Maddon's American Footy	N/A	£17.99	Paperboy 2	N/A	£25.99
Aquaventure	£17.99	£17.99	European Football Champs	£17.99	£17.99	Jones in the Fast Lane *	N/A	£24.99	(Special Amiga Price)	£25.99	£10.99
Arsenal *	£17.99	£17.99	Eye of the Beholder	N/A	£19.99	Kick Off 2 1Mb	N/A	£13.99	Parasol Stars (Rainbow Isl 2)	£17.99	£17.99
Ashes of Empire	N/A	£25.99	Eye of the Beholder 2	N/A	£23.99	Kick Off 2 Final Whistle	N/A	£9.99	PGA Tour Golf + Data Disk	N/A	£19.99
Assassin	TBA	TBA	Eye of the Storm *	£19.99	£19.99	Kick Off 3 *	N/A	TBA	PGA Tour Data Disk	N/A	£12.99
Bards Tale Trilogy	N/A	£24.99	Exile	£17.99	£17.99	Kings Quest V	N/A	£25.99	Pinball Dreams	£17.99	£17.99
Beast 3 *	N/A	£19.99	F15 Strike Eagle 2 1Mb	£22.99	£22.99	Killing Cloud	N/A	£6.99	Perfect General	N/A	£20.99
Bane of the Cosmic Forge	N/A	£27.99	F19 Stealth Fighter	£19.99	£19.99	Knights of the Sky 1Mb	£23.99	£23.99	Plan 9 From Outer Space	£22.99	£22.99
Bat 2	£24.99	£24.99	Falcon 3 *	£23.99	£23.99	Knightmare	£19.99	£19.99	Pools of Darkness	£21.99	£21.99
Battle Isle	£20.99	£20.99	Fascination	£19.99	£19.99	Leander	£17.99	£17.99	Populous 2 1Mb	£19.99	£19.99
Battle Isle Data Disk	N/A	£14.99	Fire and Ice	£17.99	£17.99	Legend	£20.99	£20.99	Powermonger	£19.99	£19.99
Birds of Prey 1Mb	£22.99	£22.99	Fireforce	£17.99	£17.99	Leisure Suit Larry V	N/A	£24.99	Predator 2	£16.99	£16.99
Black Crypts	N/A	£17.99	Floor 13	£20.99	£20.99	Lemmings	£17.99	£17.99	Premiere 1Mb	N/A	£20.99
Bonanza Bros	£17.99	£17.99	Football Boss	£17.99	£17.99	Lemmings Data Disk	£13.99	£13.99	Project X 1Mb	N/A	£17.99
Bushbuck *	N/A	£18.99	Football Manager 3	£17.99	£17.99	Lemmings Oh No!	N/A	£17.99	Prophecy	N/A	£19.99
California Games 2	£17.99	£17.99	G Lock	£20.99	£20.99	More Stand Alone	£17.99	£17.99	Psychos Soccer Set Comp	£20.99	£20.99
Campaign *	£19.99	£19.99	Gauntlet 3	£16.99	£16.99	Links (Hard drive only)	N/A	£25.99	Pushover	£17.99	£17.99
Carl Lewis Challenge	£17.99	£17.99	Global Effect	£24.99	£24.99	Links Firestone Datadisk	N/A	£13.99	Railroad Tycoon	£23.99	£23.99
Cartoon Collection (Comp)	£18.99	£18.99	Goblins	£17.99	£17.99	Links Bountiful Datadisk	N/A	£13.99	Red Baron	N/A	£22.99
Castle of Dr Brian *	N/A	£24.99	Graham Taylors Football Challenge	£17.99	£17.99	Liverpool *	£17.99	£17.99	Red Zone	£17.99	£17.99
Centurion	N/A	£16.99	Guy Spy	£20.99	£20.99	Lotus Turbo Challenge 2	£17.99	£17.99	Realms	£19.99	£19.99
Celtic Legends	£19.99	£19.99	Hagar The Horrible	N/A	£15.99	Lotus The Ultimate Challenge	£17.99	£17.99	Rise of the Dragon	N/A	£24.99
Championship Manager 1Mb	£17.99	£17.99	Hand of St. James *	£19.99	£19.99	Lure of the Temptress	£20.99	£20.99	Risky Woods	£17.99	£17.99
Civilisation	£25.99	£25.99	Harlequin	£17.99	£17.99	M1 Tank Platoon	£20.99	£20.99	Road and Track *	£19.99	£19.99
Cool Croc Twins	£17.99	£17.99	Harpoon 1.2.1	N/A	£22.99	Magic Pockets	£16.99	£16.99	Robocod (James Pond 2)	£17.99	£17.99
Covert Action	£24.99	£24.99	Harpoon Battle Set 3	N/A	£10.50	Maupiti Island	£18.99	£12.50	Robocop 3	£17.50	£17.50
Crazy Cars 111	£17.99	£17.99	Harpoon Battle Set 4	N/A	£10.50	MegaFortress	N/A	£20.99	Robocop Team	£17.99	£17.99
Crime City	£19.99	£19.99	Harpoon Editor	N/A	£12.99	Mega Sports	£17.99	£17.99	Samurai	£20.95	£20.95
Cruise for the Corpse	£19.99	£19.99	Head to Head (Comp)	£29.99	£29.99	Mega Traveller 2	£20.99	£20.99	Sensible Soccer	£17.99	£17.99
D'Generation	£13.99	£13.99	Heart of China	N/A	£23.99	Mercenary 3	£19.99	£19.99	Secret of the Silver Blade	£21.99	£21.99
Dailysport Cover Strip Poker	N/A	£17.99	Heimdall	£23.99	£23.99	Microprose Form 1	£24.99	£24.99	Shadowlands	£19.99	£19.99
Deuterous	N/A	£14.99	Heroquest/Return of the Witch Lord	£19.99	£19.99	Grand Prix (the Best!!)	£24.99	£24.99	Shuttle Sim	£20.99	£20.99
Dick Tracy Adventure	N/A	£20.99				Microprose Golf	£24.99	£24.99	Silent Service 2 1Mb	£23.99	£23.99
Double Double Bill (comp)	N/A	£14.99				Mig 29 Super Fulcrum	£23.99	£23.99			

* Please note titles asterisked may not be released at press date but will be despatched within 24 hours of release subject to availability. PLEASE TELEPHONE FOR ANY TITLES NOT SHOWN AS WE CANNOT SHOW ALL TITLES AVAILABLE. ALL TITLES CAN BE PUT ON BACK ORDER. REMEMBER WE NEVER DEBIT CREDIT CARDS FOR GOODS NOT DESPATCHED.

HARDWARE

Quickshot Python 1	£9.00
Cruiser (black)	£9.99
Navigator	£12.50
Speeding Autofire	£9.50
Pro 5000 Extra	£13.50
Zip Stick Superpro	£12.50
Delta 3A Analogue	£16.50
Quickjoy Jet Fighter	£11.99
Quickjoy Megastar	£20.99
Quickjoy Topstar	£20.50
1Mb Upgrade Amiga 600	£49.98
1Mb Upgrade Amiga 500+	£39.99
512K Upgrade Amiga with clock	£29.99
*512K Upgrade for most 520 ST's	£49.95

(Plug in solderless not suitable for STE. NB due to variation design a small minority of boards may need a little solder)

RUBY CLASSICS

	ST	AMIGA		ST	AMIGA		ST	AMIGA
1943	£6.99	£6.99	Falcon Fire Fight	£8.99	£8.99	Lombard RAC Rally	£6.99	£6.99
Advanced Destroyer Sim	£8.99	£8.99	First Division Manager	£6.99	£6.99	Nightbreed	£6.99	£6.99
Afterburner	£6.99	£6.99	Forgotten Worlds	£6.99	£6.99	Pac-Mania	£8.99	£8.99
Arkanoid Revenge of Doe	£6.99	£6.99	Gauntlet 2	£6.99	£6.99	Pang	£6.99	£6.99
Barbarian 2	£6.99	£6.99	Head Over Heels	£6.99	£6.99	Populous	£9.99	£9.99
Batman Caped Crusader	£6.99	£6.99	Heroes of the Lance	£6.99	£6.99	Pro Tennis Tour	£6.99	£6.99
Batman the Movie	£6.99	£6.99	Horror Zombies from the Park	£6.99	£6.99	R-Type	£6.99	£6.99
Battle Chess 1	£9.99	£9.99	IK+	£6.99	£6.99	Rainbow Islands	£6.99	£6.99
Bionic Commandos	£6.99	£6.99	Indiana Jones Last Crusade (Arcade)	£6.99	£6.99	Rambo 3	£6.99	£6.99
Bubble Bobble	£6.99	£6.99	James Pond	£6.99	£6.99	Silkworm	£8.99	£8.99
Demon Blue	£6.99	£6.99	Kick Off 2 Europe	£6.99	£6.99	Supercars 2	£8.99	£8.99
Dragon Ninja	£6.99	£6.99	Kick Off Extra Time	£6.99	£6.99	Team Suzuki	£6.99	£6.99
F16 Combat Pilot	£8.99	£8.99	Last Ninja 2	£6.99	£6.99	Turbo Outrun	£6.99	£6.99
Falcon	£13.99	£13.99	LED Storm	£6.99	£6.99	Ultimate Golf	£8.99	£8.99
Falcon Counter Strike	£8.99	£8.99				Wizball	£6.99	£6.99

RUBY SERIOUS/EDUCATIONAL

	ST	AMIGA
3D Const Kit (Ltd qty at this price)	£17.99	£17.99
3D Const Kit 2 *	£39.99	£39.99
ADI English 11-12yrs	£17.99	£17.99
ADI English 12-13yrs	£17.99	£17.99
ADI Maths 11-12yrs	£17.99	£17.99
ADI Maths 12-13yrs	£17.99	£17.99
Easy AMOS	N/A	£24.99
AMOS Creator	N/A	£34.99
AMOS Compiler	N/A	£20.99
AMOS 3D	N/A	£24.99
Bars and Pipes Pro	N/A	£240.00
Deluxe Paint 4 1Mb recommended	N/A	£59.99
Deluxe Print 2	N/A	£37.99
Deluxe Video 3	N/A	£54.99
Digicalc	N/A	£29.99
Disney Animation Studio	N/A	£79.99
GB Route Plus	N/A	£54.99
Home Accounts 2	£44.99	£44.99
Mini Office	N/A	£49.99
STOS 600 Sprites	£13.99	N/A
STOS Compiler	£17.99	N/A
Thomas Fun with Words	£15.99	£15.99
Fun School 3 & 4 (under 5)	£17.99	£17.99
Fun School 3 & 4 (5-7)	£17.99	£17.99
Fun School 3 & 4 (7-11)	£17.99	£17.99
The French Mistress	£15.99	£15.99
The German Master	£15.99	£15.99
The Spanish Tutor	£15.99	£15.99
The Italian Tutor	£15.99	£15.99
Answer Back Junior Quiz (6-11)	£14.99	£14.99
Answer Back Sen Quiz (12-adult)	£14.99	£14.99
Maths Adventure	N/A	£18.99
Penpal	N/A	£53.99
Wordworth 1.1	N/A	£92.99
Kindwords v3	N/A	£39.99

All Facilities for Answer Back available @ £9.99

COMPILATIONS

FIVE INTELLIGENT GAMES
Chess, Backgammon, Bridge, Draughts and Go
ALL FIVE GAMES ONLY £17.99

FIRST SAMURAI/MEGA-LO-MANIA PACK
TWO VERY NEW GAMES ONLY £19.99

AIRSEA SUPREMACY
Silent Service, F15 Strike Eagle, Carrier Command, P47 and Gunship ★ Amiga Version
★ Wings instead of F15 Strike Eagle
FANTASTIC COMP ONLY £20.99

THE DIZZY COLLECTION
Fast Food, Kwix Snax, Fantasy World Dizzy, Treasure Island Dizzy, Magicland Dizzy
FIVE GOOD GAMES ONLY £16.99

DIZZY'S EXCELLENT ADVENTURES
Dizzy Prince of the Yokefolk, Spellbound Dizzy, Bubble Dizzy, Pank Dizzy, Quick Snax
ONLY £16.99

NINJA COLLECTION
Double Dragon, Shadow Warrior and Dragon Ninja
ONLY £18.99

TOP LEAGUE
Speed Ball 2, Rick Dangerous 2, TV Sports Football, Midwinter and Falcon
OUR VERY BEST SELLER FOR ONLY £20.99

RAINBOW COLLECTION
Bubble Bobble, Rainbow Island and New Zealand Story,
Great comp for the younger ones
THREE FANTASTIC GAMES ONLY £13.99

SOCCER MANIA
Football Manager 2, Gazza's Soccer, Microprose Soccer and Football Manager 2 World Cup Edition
FOUR GAMES ONLY £13.99

AIR COMBAT ACES
Fighter Bomber, Gunship and Falcon
THREE GREAT SIMS ONLY £20.99

SUPER SEGA
Super Monaco GP, Golden Axe, Crackdown and Eswat
ALL FOUR GAMES ONLY £19.99

FOOTBALL CRAZY CHALLENGE
Kick Off 2, Player Manager and Final Whistle
You'd have to be crazy not to buy this!!
ONLY £17.99

STRATEGY MASTERS
Deuterous, Populous, Hunter, Spirit of Excalibur and Chess Player 2150
ALL FIVE GAMES FOR ONLY £20.99

FANTASTIC WORLDS
Realms, Pirates, Wonderland, Populous 1 and Megalomania
GREAT COMP FOR ONLY £20.99

BOARD GENIUS
Monopoly Deluxe*, Scrabble Deluxe, Cluedo and Risk
FOUR GAMES ONLY £19.99
★ST Version has no Monopoly, only £18.99

QUEST AND GLORY
Cadaver, Midwinter, *Bat and Bloodwych.
★ ST version: Iron Lord instead of BAT
ALL FOUR GAMES ONLY £20.99. ST/AMIGA £15.50 ONLY, VERY SPECIAL PRICE

QUEST FOR ADVENTURE
Operation Stealth, Indiana Jones The Adventure and Mean Streets
THREE GAMES ONLY £24.99

MONSTERPACK VOL 2
Shadow of the Beast 2, Killing Game Show and Awesome
ONLY £17.99 AMIGA ONLY

AD+D COLLECTORS EDITION
Hillsfar, Heroes of the Lance and Dragons of Flame
ALL THREE GAMES ONLY £20.99 AMIGA ONLY

VOLUME 1 (THE BITMAP BROS)
Xenon, Cadaver and Speedball 2
ALL THREE GAMES ONLY £17.99

PC AND SEGA GAMES ALSO SUPPLIED
Please phone

Credit cards debited only on day of despatch. Tel: 071-381 8998/071-610 1703 Fax: 071-610 1703

Please charge my Access/Visa No: Valid from: Expiry date:

Please supply me with the following for computer Date:

Titles	Price

MJC COMPUTER SUPPLIES

Suppliers of Discount Software since 1984

Educational, Local Authority and government orders welcome. European orders please call or write for a quotation. All goods subject to availability, prices subject to change without notice. E&OE.

Prices include VAT and delivery by post.
Courier delivery available on request.
Please allow 5 days for cheque clearance.

TO ORDER: Credit card orders can be placed by calling the telephone number below - or send a cheque/PO's made out to MJC Supplies to:

MJC SUPPLIES (ASH)
Unit 2 The Arches, Icknield Way,
Letchworth, Herts. SG6 1UJ.
Tel: (0462) 481166 (6 lines)

NAKSHA UPGRADE MOUSE

280 DPI quality replacement mouse - pack includes Mouse House, Mat and Operation Stealth game.

MJC PRICE £21.95

SQUIK REPLACEMENT MOUSE

Great value replacement.

MJC PRICE £12.95

A500 PLUS 1Mb Expansion

1Mb expansion for the A500 Plus - fits in the trapdoor taking your memory to 2Mb - no internal fitting

MJC PRICE £39.95

NEW - ACTION REPLAY III

MJC PRICE £57.95

ROBOSHIFT

The excellent mouse/joystick switch box for the Amiga.

MJC PRICE £13.95

CUMANA CAX 354 DISK DRIVE

Quality brand name 3.5" second drive includes thru port, disable switch and FREE Virus X Utility

MJC PRICE £52.95

NEW ROCLITE RF382C DISK DRIVE

New super slimline, super quiet second drive.

MJC PRICE £57.95 (cream only)

AMIGA 600 COMPUTER

The latest Amiga computer featuring surface mount technology for greater reliability and the latest Workbench 2 comes complete with Deluxe Paint 3 & Lemmings

PLEASE NOTE: for total peace of mind these computers now come with 12 months on site warranty.

MJC PRICE £275.00
(Price includes free courier delivery)

AMIGA A600-HD

Includes a very neat internal 20Mb hard drive for those needing extra storage space and faster loading.

MJC PRICE £409.95

(Price includes free courier delivery)

PLEASE NOTE: A600 prices correct at time of going to press - Please call - they may be even lower!

AMIGA STARTER PACK

Includes: 10 disks, mouse mat, joystick, dust cover & disk box

MJC PRICE £19.95

OR

JUST £15.95 if purchased with an A600

AMIGA A600 CONTROL CENTRE

The Control Centres are manufactured by Premier Micros and are made from sheet steel with welded seams and Epoxy coated to match the A600. They are precision made to fit over the back of the A600 to make a perfect platform for a monitor and improve the look of the A600.

They also come complete with a shelf for extra drives and peripherals.

MJC PRICE £34.95

OR

JUST £29.95 if purchased with an A600

NEW - A600 1Mb EXPANSION

Increases the memory of the A600 to 2Mb

MJC PRICE £44.95

AMOS - The Creator

NEW - EASY AMOS - Powerful but easy .£22.95

AMOS V1.2 - The original Language....£31.95

AMOS COMPILER.....£19.95

AMOS 3D.....£21.95

NEW - VIDI AMIGA 12

Vidi Amiga 12 is the latest low cost colour digitiser from Rombo. There are no filters and no separate RGB Splitter. Colour images can be captured in less than a second. Mono images are grabbed in real time. Some of the features included are multi-tasking software, capture into a user definable window, composite or S-Video input, 4096 colour HAM mode, 64 colour EHB mode and many more

MJC PRICE £75.95

GVP PRODUCTS

A500 52Mb HD£349.95
A1500/2000 52Mb.....£279.95
A1500/2000 120Mb.....£419.95

NOTE! Hard drive prices include VAT and courier delivery.

SIMMs Modules 1Mb (70ns)£25.95
2 x 1Mb£49.95

MISCELLANEOUS

Pro Midi Interface£19.95
Stereo Master£29.95
Techno Sound Turbo.....£29.95
Romeo Megamix Master£28.95
Rombo Take 2.....£39.95
Home Accounts 2.....£36.95
Hisoft Devpac 3.....£49.95
Hisoft Hi-Speed Pascal£69.96
Maxiplan 4.....£34.95

NEW - MINI OFFICE AMIGA

Great new integrated package featuring Wordprocessor, Database, Spreadsheet, Graphics and Disc Utilities

MJC PRICE £39.95

NEW - KINDWORDS 3

Features include: Ability to open two documents at once, import Kindwords 2 files, Proximity spell checker and thesaurus, text flow around graphics.

Requires 1Mb RAM

MJC PRICE £32.95

Protext V4.3£39.95
Pen Pal V1.4£54.95
Wordworth V1.1 - UK Version£74.95

AMIGA EDUCATIONAL

FUN SCHOOL -

Probably the best selling Educational Software for the Amiga - great sound and graphics and now conforms to the National Curriculum (FS3 & FS4)

Fun School 2 - 8 programs per pack
Fun School 2 under 6.....£7.95
Fun School 2 6 to 8.....£7.95
Fun School 2 over 8.....£7.95

Fun School 3 - 6 programs per pack
Fun School 3 under 5.....£15.95
Fun School 3 5 to 7.....£15.95
Fun School 3 over 7.....£15.95

NEW - Fun School 4 - 6 programs per pack
Fun School 4 under 5.....£15.95
Fun School 4 5 to 7.....£15.95
Fun School 4 7 to 11.....£15.95

All Fun School programs will work with a standard 512k Amiga and the new A500 Plus.

KOSMOS Answerback Junior Quiz -

includes 750 general knowledge questions and a game reward.....£14.95

Answerback Senior Quiz -
as above but for age 12+£14.95

Factfiles - add-on question packs for the Answerback Quiz:
Factfile Spelling (6-11).....£7.95
Factfile Arithmetic (6-11).....£7.95

KOSMOS Language Tutors: with a vocabulary of over 2500 words + the ability to add your own - up to GCSE level:
French Mistress£14.95
German Master£14.95
Spanish Tutor£14.95
Italian Tutor£14.95

KOSMOS Maths Adventure: The latest offering from Kosmos covers the National Curriculum maths using a series of four games. There are four difficulty levels and your performance can be kept and printed out. (6-14).....£17.95

LCL SOFTWARE

Primary Maths Course (3-12)£18.95
Micro Maths (GCSE level)£18.95
Micro French (GCSE level)£18.95
Micro English (GCSE level)£18.95
Reading and Writing Course (3+)£18.95

NEW - MEET ADI!

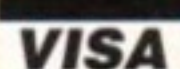
ADI is a friendly alien being that appears on this latest range of educational software from Europress (the manufacturers of the Fun School range). Each package is specifically designed to follow the National Curriculum for a particular school year.

ENGLISH 11/12: Features pronouns, verbs, adverbs, spelling, synonyms and prefixes/suffixes**MJC Price £17.95**

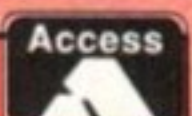
ENGLISH 12/13: Using dictionaries and reference books, construct adverbs, punctuate sentences**MJC Price £17.95**

MATHS 11/12: Covers geometry, algebra, statistics, symmetry, quadrilaterals and number operations**MJC Price £17.95**

Further information on our Educational range is available in our Educational Supplement - on request



Remember - prices include VAT & delivery!



It's not just big business types who need to get information quickly and accurately. Wouldn't it be great if you could send and receive faxes straight from your Amiga.

Asam Ahmad does just that with some great new software...

FIRST OFF, YOU can only use *GPFax* if you have a modem capable of understanding class-2 fax commands. I must admit though, I had my doubts about *GPFax*, having previously used some pretty unfriendly shareware fax software. How wrong I was.

GPFax has been written to fully conform to Workbench 2 standards (although fortunately it still works on 1.3 machines) and so it is extremely easy to set up and get going with. It comes with the new Commodore Installer program, which automatically installs all the program files into all the right places, so the way the program's operations are transparent to the user.

The program has two main ways of working: the first method enables you to produce faxes of a decent quality very quickly. If you have a text file that you want to send to somebody, you just tell *GPFax* to translate it into a fax image using any standard Amiga font. It will create all your text on the page and even enable you to add a header and a footer to your fax by specifying two standard IFF files.

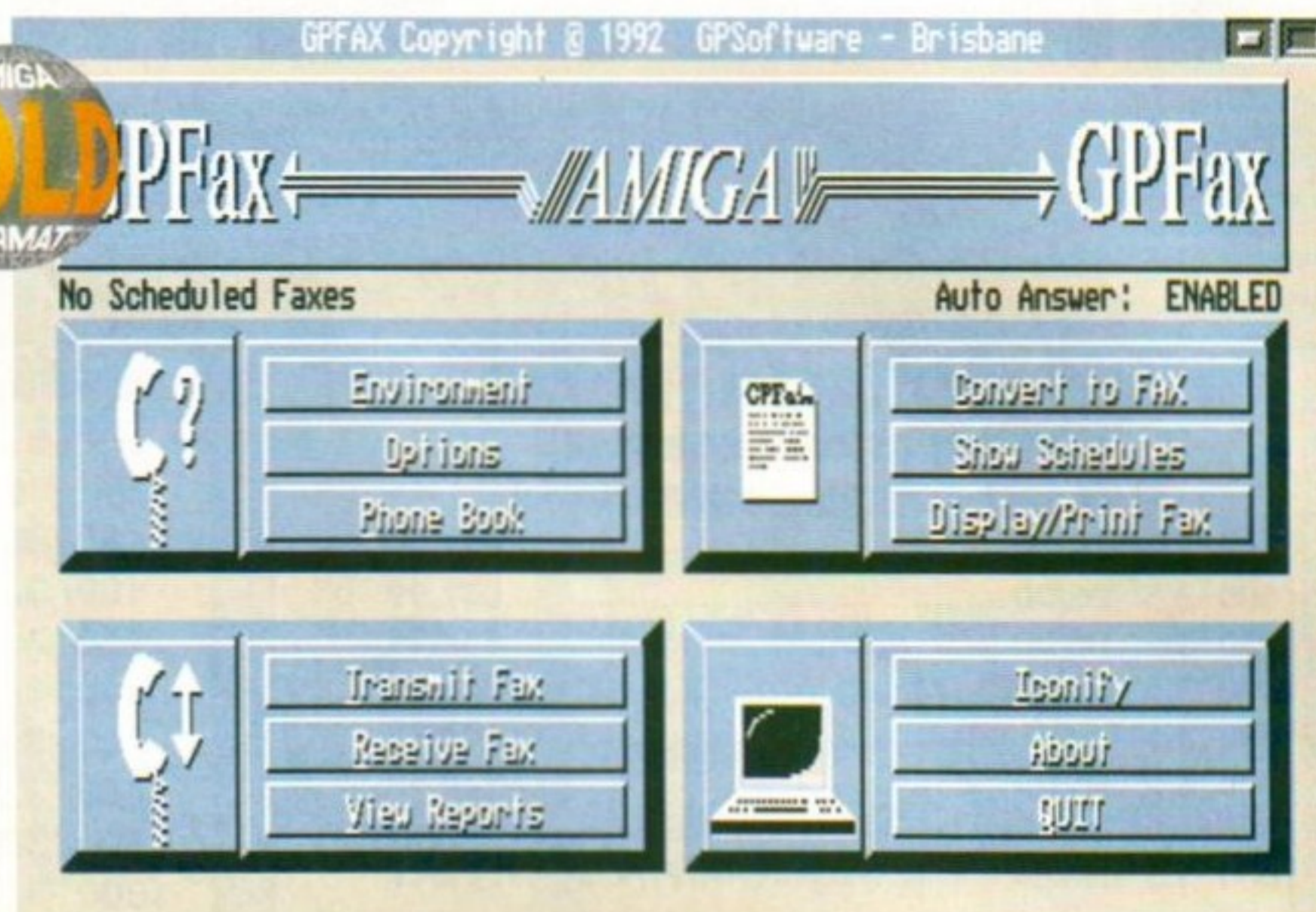
This means you can create a logo in *DPaint*, and also a signature to act as a footer, and send your own personalised faxes. You can even import IFFs as part of the fax, to highlight a point in your text. If you select the Scale option from the Options panel, you can even resize your image up to the maximum size of the page, so pictures come out nice and clear. Once you have prepared your document you can preview it using a versatile View screen, to make sure everything is in order.

The second method is trickier, but it enables you to produce high quality faxes, in fact better than any normal fax machine can produce because the computer doesn't have 'noise'. By this I mean that the image is not a scanned image, but a computer-built image, which is perfect at fax resolution. You can of course transmit to any fax machine.

How it works is by a very clever preferences printer-driver module: 'gpfax.driver'. This is no normal Amiga driver though, this one automatically switches in whenever needed while *GPFax* is running.

It captures the PRT (output to form a fax image) so if you use a package, say *PageStream*, you can create a page using scaleable fonts and import graphics, layout a good-looking page to your heart's content, and simply print it via the preferences module. *GPFax* will capture the output and produce a fax file for later transmission. This method opens up endless possibilities because you can create a document in any package you choose, from a word processor to a CAD program, and then quickly fax it over the phone line.

GPFAX is available from First Choice Computers 0532 319444



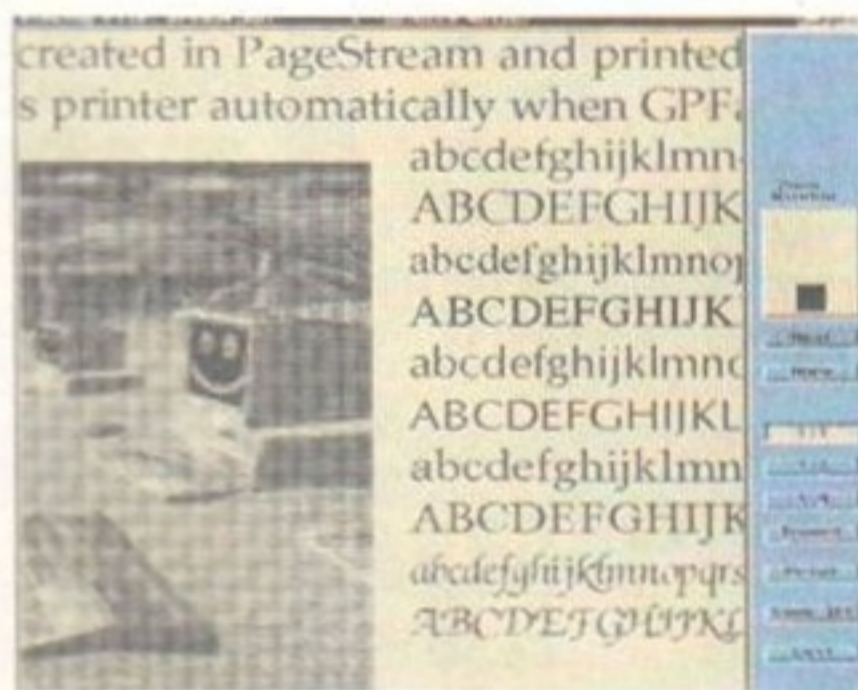
This is the main control panel. Here you can call up the Viewer/Printer screen. You can also iconify *GPFax* to run in the background.

GPFax

Fax software ■ GP Ware ■ £39.99 (£29.99 if you buy a modem)

Before transmitting and after receiving a fax you can view it using this View screen. There is also an option to print out a hard copy from here.

This sample is an actual printout from a fax that I sent from *GPFax*. The quality is excellent... (better than the office jobbie).



s created in PageStream and printed to the printer automatically when GPFax is running



Having created your fax, it is time to transmit it. *GPFax* comes with a very good phone book that enables you to enter names, numbers, and it even enables you to set the program up to fax literally hundreds of people (your phone bill, not mine) unattended. Unattended? Thankfully you are also provided with a log-book that shows you how everything went, and it will even retry numbers if it fails.

What about receiving faxes? Yes you can, unattended if you desire, and the quality of

received faxes will usually be higher when printed out using your own printer. The resolution of a fax is 218x198 dpi. A 9-pin can go up to 240x216, so if you select 'Smoothing' when printing from *GPFax*, you can print your fax out on paper and the results will be quite impressive. Even better is that if you have Optical Character Recognition Software, such as *MiGraph OCR*, you can turn the text on the fax into copy for your word processor. Great.

Initially, I thought, OK who needs this, but this program really is useful. So much so that anybody that is thinking of buying a fax machine should consider that you can pick up a Supra FAXmodem V32bis for around £260 from First Choice plus this software for £30, and you have a fax capability superior to a standard fax machine. A great piece of software, the best at what it does.

GPFax

SPEED	● ● ● ●
Good. It operates well, and with its iconify feature it can even run in the background.	
DOCUMENTATION	● ● ● ●
A good manual, which makes a change, describing all functions in depth. Well written.	
ACCESSIBILITY	● ● ● ●
Very, very, very, very... easy to use. It's all just a case of point and click.	
FEATURES	● ● ● ●
Standard and Fine modes, plus very good functionality. All you need is here.	
VALUE	● ● ● ●
A well polished, easy to use, user-friendly little workhorse. Lovely.	

90%

CRAZY CHRISTMAS

LOOKING FOR DISKS & BOXES???
LOOK NO FURTHER
 REMEMBER ALL DISKS SOLD BY BCS ARE FULLY GUARANTEED

DISKS ! DISKS ! DISKS !

100% CERTIFIED ERROR FREE
PLUS FREE COLOUR CODED LABELS

50 3.5" DS/DD	£22.99
100 3.5" DS/DD	£37.99
150 3.5" DS/DD	£52.99
200 3.5" DS/DD	£69.99
300 3.5" DS/DD	£103.99
400 3.5" DS/DD	£138.99
500 3.5" DS/DD	£165.99
1000 3.5" DS/DD.....	CALL FOR LATEST PRICE

*All prices include VAT/free labels
& free delivery*

DISKS + 100 CAP LOCKABLE BOXES

100% CERTIFIED ERROR FREE
PLUS FREE COLOUR CODED LABELS

50 3.5" DS/DD + 100 cap box.....	£25.99
100 3.5" DS/DD + 100 cap box.....	£40.99
150 3.5" DS/DD + 100 cap box.....	£56.99
200 3.5" DS/DD + 2 100 cap boxes.....	£74.99
300 3.5" DS/DD + 3 x 100 cap boxes.....	£111.99
400 3.5" DS/DD + 4 100 cap boxes.....	£147.99
500 3.5" DS/DD + 5 100 cap boxes.....	£178.99
1000 3.5" DS/DD + 10 100 cap boxes.....	£ call

*All prices include VAT / free labels
& free delivery*

DISKS + 80 CAP BANX BOXES

100% CERTIFIED ERROR FREE
FREE COLOUR CODED LABELS

50 3.5" DS/DD + 80 Cap Banx Box.....	£31.99
100 3.5" DS/DD + 80 Cap Banx Box.....	£46.99
150 3.5" DS/DD + 2 x 80 Cap Banx Boxes.....	£70.99
200 3.5" DS/DD + 2 x 80 Cap Banx Boxes.....	£87.99
300 3.5" DS/DD + 4 x 80 Cap Banx Boxes.....	£139.49
400 3.5" DS/DD + 5 x 80 Cap Banx Boxes.....	£182.99
500 3.5" DS/DD + 6 x 80 Cap Banx Boxes.....	£216.99

All prices include VAT/ free labels & free delivery

DISKS + 150 CAP POSSO BOXES

100% CERTIFIED ERROR FREE
FREE COLOUR CODED LABELS

50 3.5" DS/DD + 150 Cap Posso Box.....	£35.99
100 3.5" DS/DD + 150 Cap Posso Box.....	£51.99
150 3.5" DS/DD + 150 Cap Posso Box.....	£66.99
200 3.5" DS/DD + 2 x 150 Cap Posso Boxes.....	£97.99
300 3.5" DS/DD + 2 x 150 Cap Posso Boxes.....	£131.99
400 3.5" DS/DD + 3 x 150 Cap Posso Boxes.....	£180.00
500 3.5" DS/DD + 4 x 150 Cap Posso Boxes.....	£219.99

All prices include VAT/ free labels & free delivery

3.5 DELUXE STORAGE BOXES

10 Capacity	£1.00
40 Capacity (Lockable).....	£4.10
100 Capacity (Lockable).....	£4.50

5.25 STORAGE BOXES

10 Capacity	£1.00
50 Capacity (Lockable).....	£5.10
100 Capacity (Lockable).....	£5.90

STACKABLE BOXES

3.5" 80 Cap Banx Lockable Box	£9.95
3.5" 150 Cap Posso Box	£15.50
5.25" 70 Cap Posso Box	£16.50

3.5" HIGH DENSITY DISKS

100% ERROR FREE / FREE COLOUR CODED LABELS

60P EACH £61 For 100 incl delivery/labels/VAT

100% CERTIFIED ERROR FREE

5.25" DS/DD Disks	21p each
5.25" DS/HD Disks	39p each

BRANDED 3.5" DISKS (KAO/TKD)

10 3.5" DS/DD	£6.50
10 3.5" DS/HD	£10.50

BCS ORDER HOTLINE 0273 506269 PHONE NOW

**AMIGA / ATARI
 NAKSHA MOUSE
 £22.50
 AMAZING PRICE!**

**A570 CD ROM DRIVE
 ALLOWS YOU TO LOAD & PLAY CDTV
 Software on your Amiga
 BCS Price only £319.99**

STOP PRESS STOP PRESS

New Citizen 240 Mono	£245
New Citizen 240 Colour	£269
New Citizen 200 Mono	£209

*All printers come with lead, dust cover +
2 year warranty included.*

PAPER! PAPER! PAPER!

11 x 9.5 60gm 2000 sheets micro perf....	£11.75
A4 70 gms 2000 sheets micro perf....	£12.95

OFFERS FROM BCS LTD

AMIGAS! AMIGAS! AMIGAS!

PACK 1

**NEW AMIGA 600
THE WILD, THE WEIRD, THE
WICKED PACK**

A600 1MB FDD
DELUXE PAINT III
MICROPROSE GRAND PRIX
SILLY PUTTY
PUSHOVER
MOUSE ETC
ON-SITE WARRANTY

ONLY £319.99



PACK 2

**NEW AMIGA 600 20M HD
EPIC PACK**

A600 HD 1MB
TRIVIAL PURSUITS
EPIC, ROME,
MYTH
AMIGA TEXT WP
DICTIONARY, MOUSE ETC +
ON-SITE WARRANTY

ONLY £459



PACK 3

**AS PACK 1 (A600 ETC)
PLUS XXXXXX**

10 3.5" DS/DD DISKS
DISK BOX
MOUSE MAT
TAILORED DUST COVER
MICROSWITCH JOYSTICK
SUPERBASE PERSONAL SOFTWARE

ONLY £349.99



PACK 4

**AS PACK 2 (A600 HD ETC)
PLUS**

10 3.5" DS/DD DISKS
DISK BOX
MOUSE MAT
TAILORED DUST COVER
MICROSWITCH JOYSTICK
SUPERBASE PERSONAL SOFTWARE

ONLY £489.99



PACK 5

PHILIPS CM8833 MK II
COLOUR STEREO MONITOR
LOTUS TURBO CHALLENGE
ON-SITE WARRANTY
UK SPEC'

CONNECTING LEAD
DUST COVER

ONLY £195

* LOOK * WHEN PURCHASED
WITH PACKS 1, 2, 3, 4, OR 6
ONLY £189



PACK 6

NEW AMIGA 600 BCS PACK

A600 1MB FDD
DELUXE PAINT III
MYSTERY GAME
SUPERBASE PERSONAL
MOUSE ETC.
ON-SITE WARRANTY
10 3½ DS/DD DISKS
DISK BOX
MOUSE MAT
TAILORED DUST COVER
MICROSWITCH JOYSTICK

ONLY £289.99



GVP SERIES II HARD DRIVES & ACCELERATORS FOR A500

GVP 52MB HD8 II£319
GVP 120MB HD8 II£409
GVP 240MB HD8 II£649
GVP A530 COMBO 40 MHz +50MB£629
GVP A530 COMBO 40MHz + 120MB ...£719
GVP A530 COMBO 40MHz + 240MB ...£949
CALL NOW FOR PRICES ON RAM
UPGRADES FOR GVP DRIVES



GVP SERIES II HC8 HARD DRIVES FOR A1500/2000

GVP 52MB HC8 II£265.99
GVP 120MB HC8 II£395
GVP 240MB HC8 II£615

CALL NOW FOR PRICES ON RAM
UPGRADES FOR GVP DRIVES



AMIGA BIT'S 'N' BOBS

A500 1MB UPGRADE.....£29
A600 1MB UPGRADE.....£42.99
A600 2MB UPGRADE.....£115
A600 4MB UPGRADE.....£135
A520 TV MODULATOR£29.99
AT ONCE CLASSIC PC286 EMULATOR £119.99
3.5 CUMANA DISK DRIVE£52.99



STAR/CITIZEN PRINTERS

CITIZEN 120D 9PIN MONO£129
CITIZEN SWIFT 9PIN COLOUR£189
CITIZEN 24PIN 224 COLOUR£224
CITIZEN SWIFT 24E COLOUR.....£249
NEW CITIZEN 240 MONO£249
STAR LC-20 9PIN MONO£POA
STAR LC-200 9PIN COLOUR.....£199
STAR LC-24-200 24PIN COLOUR.....£258
NEW CITIZEN 240 COLOUR£270
ALL PRINTERS COME WITH LEAD & DUST
COVER + 2 YEAR WARRANTY.

ACCESSORIES/JOYSTICKS

1000 COLOURED LABELS.....£8
1000 TRACTOR LABELS (WHITE).....£10
MOUSE MAT.....£2.75
MOUSE HOLDER£2.50
14" MONITOR STAND£10
PRINTER STAND£6
3.5" CLEANING KIT£2.75
PRINTER RIBBONS.....£CALL
PARALLEL LEAD£8
ZIPSTICK.....£11.50
QS PYTHON IIIM£9.50
CHEETAH 125+.....£8



DUST COVERS

A500£3
A600£3
STAR LC200£3.50
STAR LC-24 200£3.50
CITIZEN 9.....£3.50
CITIZEN 24.....£3.50
PHILIPS MKI/II.....£3.50
ATARI.....£3.00



WHY ORDER FROM BCS?

Established for over 3 years BCS is well known for the quality of its products and services.
WE HAVE THOUSANDS OF SATISFIED CUSTOMERS ACROSS THE UK.

Fast and efficient delivery service provided. All products sold carry 1 year minimum guarantee. All products
UK spec only. DONT DELAY ORDER TODAY. CALL IN OR SEND CHEQUES/POSTAL ORDERS TO

BCS LTD

349 DITCHLING ROAD, BRIGHTON, EAST SUSSEX BN1 6JJ
ADD £4 P&P UNLESS STATED. ADD £10 FOR NEXT DAY DELIVERY (MON-FRI) (UK MAINLAND ONLY)

ORDER HOTLINE 0273 506269/0831 279084

All offers subject to availability. E&OE. Prices may change without notice.



BCS ORDER HOTLINE 0273 506269

Despite the availability of high-quality CAD systems, the Amiga has never been accepted as a serious contender in this market. Could all this change with this latest release? **Jason Holborn** writes.

X-CAD 2000

£129.95 ■ CAD Package ■ Digital Multimedia

IN THESE DAYS of 486 PCs you'll still find Amigas being used for a range of professional applications, from desktop video to DTP and professional 24-bit graphics. But the Amiga has also been causing some serious waves in the CAD (Computer Aided Design) market, mainly thanks to one package – *X-CAD*.

This has been available in a number of incarnations for years, and has established itself among professional Amiga CAD converts. This will come as no surprise to those who appreciate the Amiga's impressive hardware specification – CAD applications require a machine that generates images made up of complex points and lines at high speed.

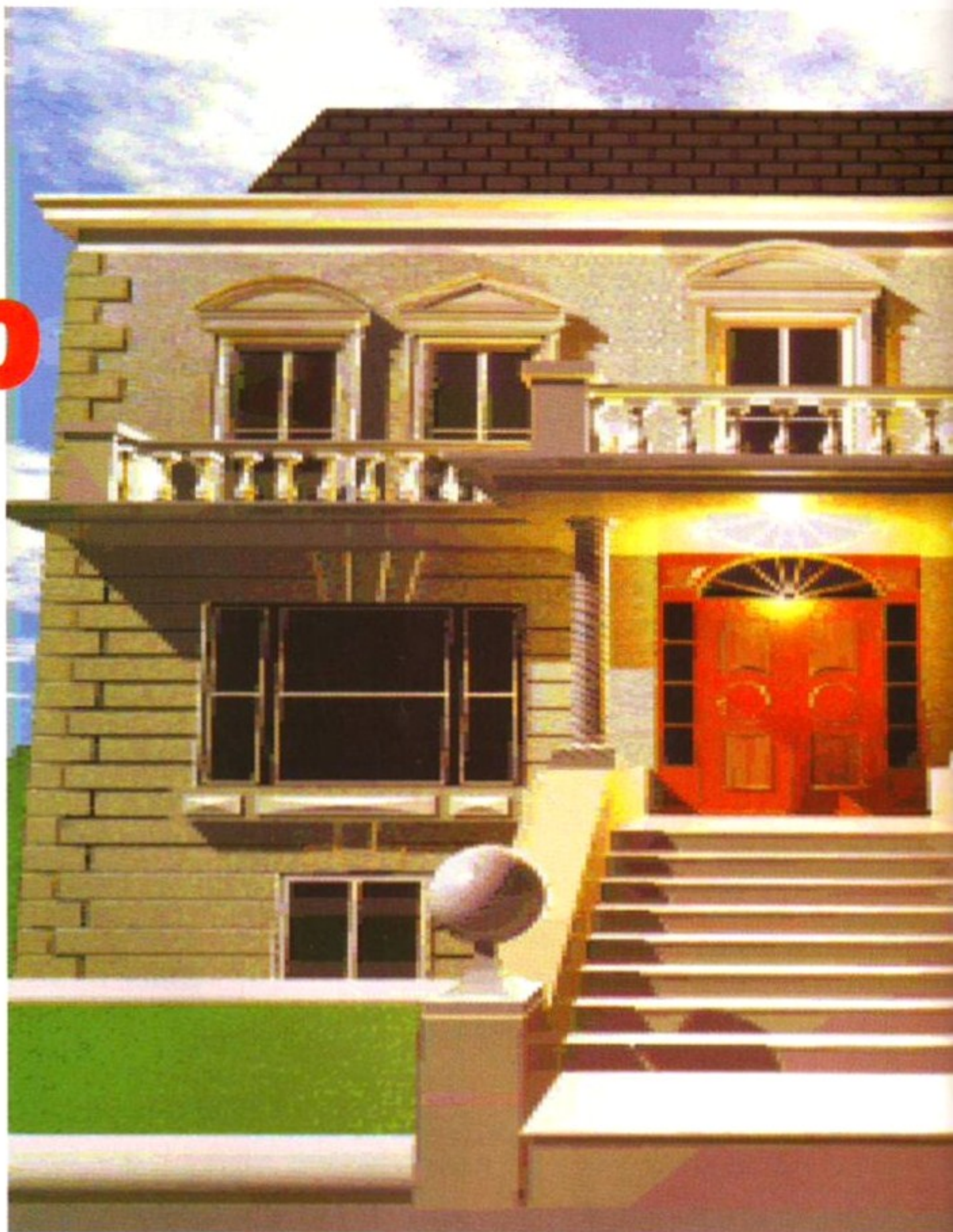
X-CAD enables engineers and designers to easily design and visualise anything from a cola can to printed circuit boards, and just about anything remotely mechanical. *X-CAD* designs in a structured form. The image is manipulated internally as a series of points which are interpreted to form the image that you see on your Amiga's screen.

CAD systems usually require vast amounts of RAM and some form of processor accelerator, but not *X-CAD 2000*. It delivers serious CAD power to the average user. Considering most 'professional' CAD packages cost several thousand pounds, *X-CAD 2000* (and its big brother *X-CAD 3000*) is phenomenally good value for money. What's more it will run on a standard 1Mb Amiga with no extra hardware required – try that on a PC!

X-CAD 2000 arrives in a solid plastic

Here's something that even *AutoCAD* can't do! If you need to visualise your 3D CAD image as it would appear in real life, *X-CAD* will enable you to output your drawings in a number of common ray-tracing package formats. This image was produced using nothing more than *X-CAD3000* and a copy of the *Imagine* ray-tracing program. *Imagine* is available separately from DML.

X-CAD 2000 is available from Digital Multimedia 081-977 1105



casing with a comprehensive 300-page manual, four disks and a copy-protection dongle. Now, I hate dongles. OK, at least the program disks can be backed up as many times as you want, but none of these will work unless the dongle is connected to the joystick port. Due to its tiny size though, it's too easy to mislay this all-important part of the *X-CAD* package.

DML should reconsider their copy protection policy – I could understand if it was a simple package, but it's so complex that few users could use *X-CAD* without a manual anyway. Its complexity is copy-protection enough.

Once the dongle is connected, a double click on the program icon brings *X-CAD* to life. After a bit of automated setting up, you're

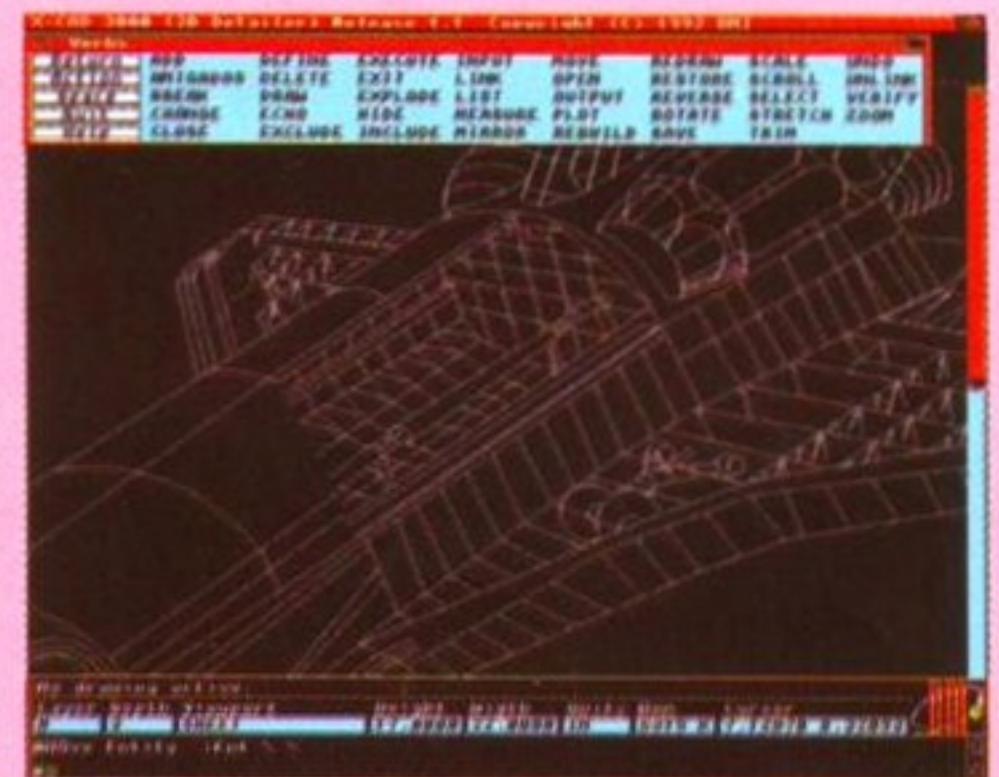
AND FOR PROS... X-CAD 3000

If your CAD needs are a little more demanding, then *X-CAD 3000* could well be for you. Requiring 2Mbs to run, *X-CAD 3000* is DML's answer to the *AutoCADs* of this world, and it is designed as a professional CAD system which can handle virtually any CAD-related task. It boasts the same 386 butt-kickin' speed of operation as its little brother, but adds an impressive array of extra features that undoubtedly puts *X-CAD* into the major league.

For starters, *X-CAD 3000* includes a far more professional and very polished user interface that is an absolute joy to use. The enhancements aren't just cosmetic though – it not only runs faster than its little brother, it includes an impressive array of extra draughting commands and functions. Many of the existing *X-CAD* commands have been enhanced too – while *X-CAD 2000* can handle only 256 layers, *X-CAD 3000* supports a staggering 100

million layers (I challenge anyone to use them all!). The 3D module is far more powerful and includes well over 1,000 command combinations.

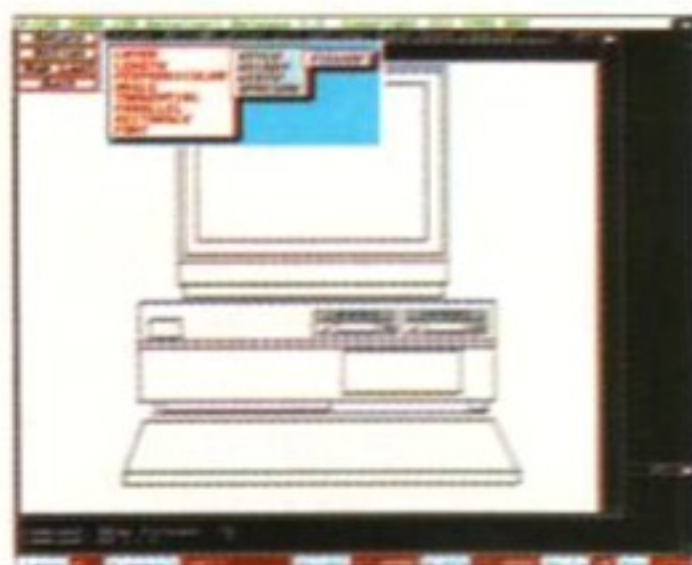
X-CAD 3000 is a seriously impressive piece of software that leaves so-called industry heavyweights like *AutoCAD* standing. Although *X-CAD* has already established itself among a small band of CAD converts, DML have an uphill struggle on their hands if *X-CAD* is to steal the throne from *AutoCAD*. The essential ingredients to make this happen are already there – both *X-CAD* and the Amiga itself can run rings around even the most capable PCs, but what is needed right now is a very strong marketing offensive from both DML and Commodore to get the CAD market to accept a machine that is still seen as nothing more than a toy for the kids. If DML get this right, *X-CAD* could be the Amiga's CAD ace card.



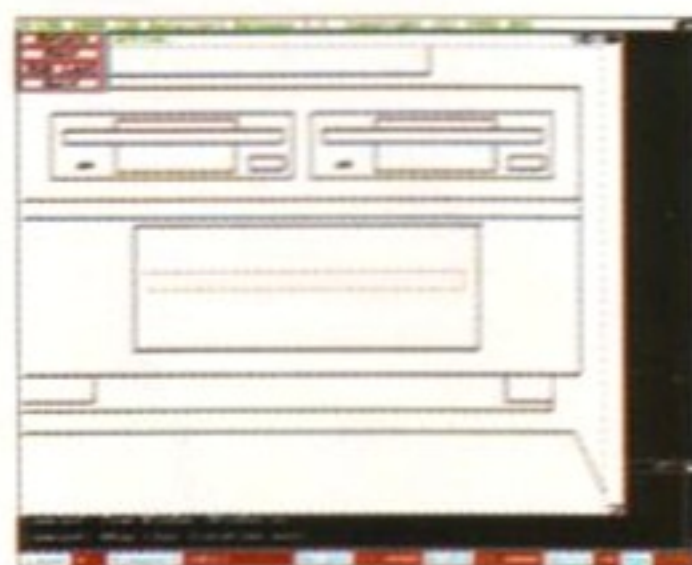
X-CAD 3000 incorporates a far better user interface and a specification that leaves even *AutoCAD* standing.



STEP BY STEP CAD

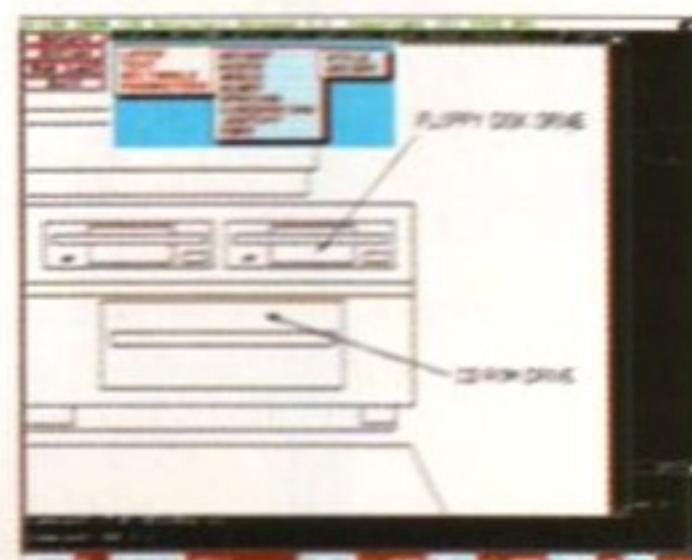


To draw a CAD image (here we've decided to draw an Amiga 2000) you must start off by drawing the outline and then add basic details. Even if the lines are not perfectly matched up, this can be corrected later.

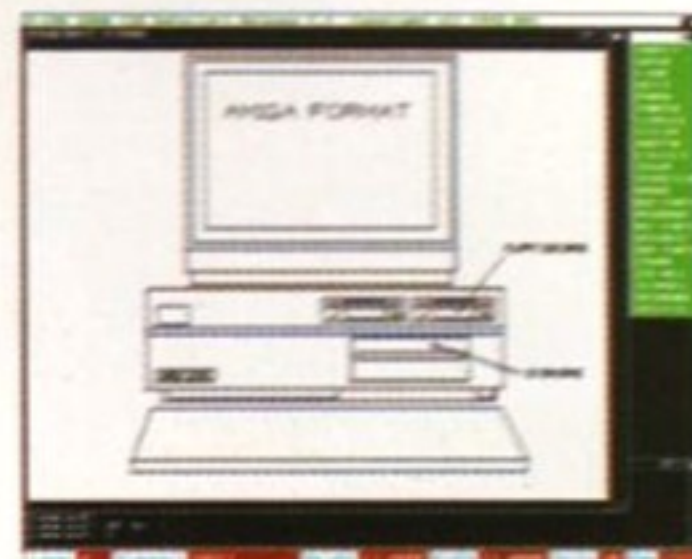


For finer details such as the disk drives and CD-ROM, we can zoom in on our drawing without losing any detail. Points and lines that we drew in the first stage can now be touched-up, and complex details added. The twin disk drives were

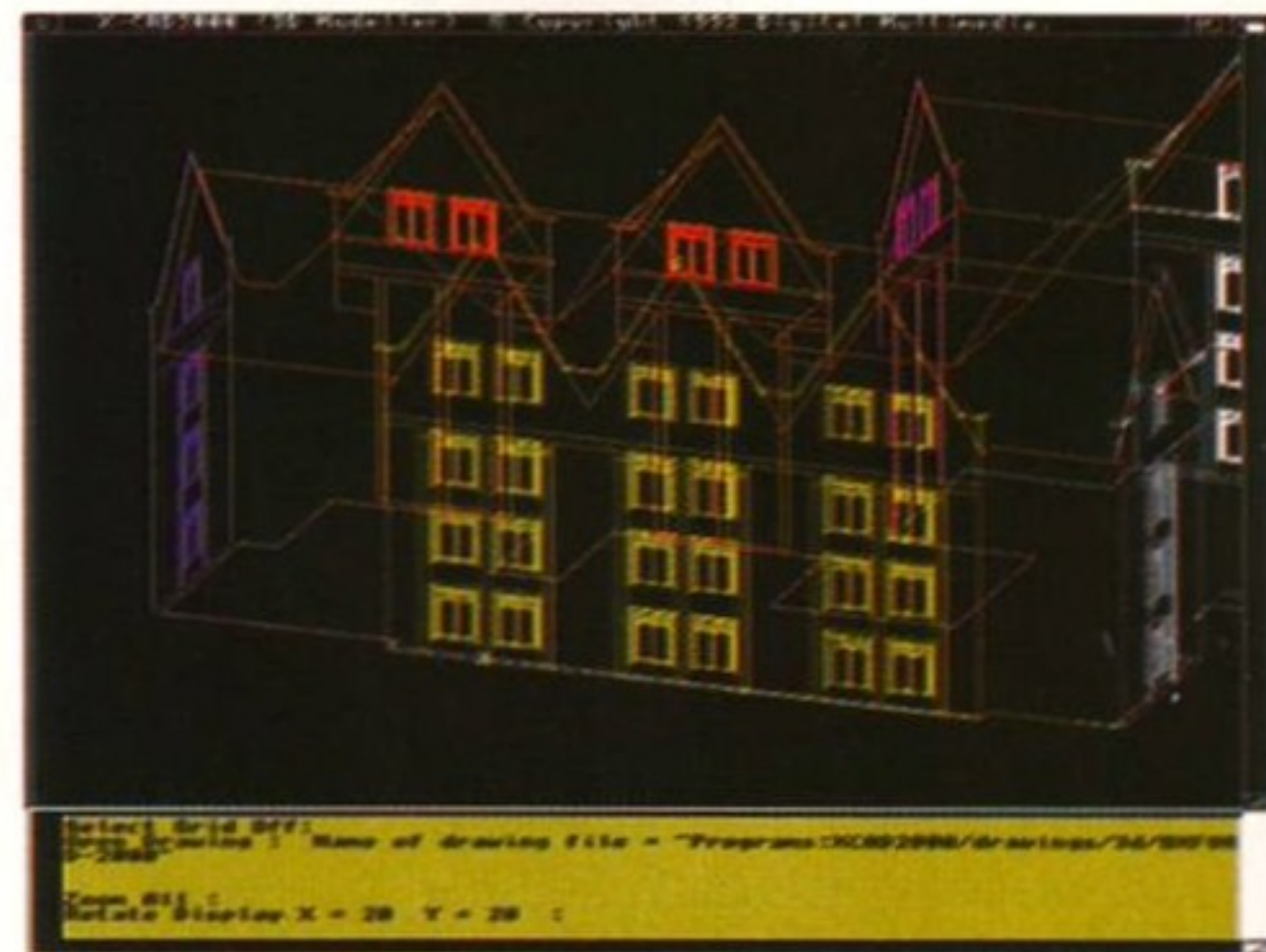
drawn by first drawing one drive and then using the X-CAD 'Copy Entity' tool to copy the section of drawing to produce a second exact copy.



Once all of the finer details of our A2000 have been completed, we can then make the drawing a little bit more understandable by adding in some pointers and text; for that professional-looking touch.



Here's our drawing in all of its structured glory. OK, it's nothing to write home about, but if you can get this far then you'll already have gleaned a good idea of how CAD programs such as X-CAD2000 work.



The 3D modeller enables you to convert your flat, 2D CAD drawings to full 3D. Once the object is complete, you can move around it easily, viewing it from whatever angle you may so desire.

ing of semi-professional CAD applications.

One addition is direct support for AutoDesk's AutoCAD DXF files – the industry-standard file format for CAD drawings. This enables you to transfer files from any CAD package that supports the DXF standard. It also comes with a number of extra utilities which enable X-CAD drawings to be converted to *Imagine*, *Aegis Draw 2000* and *Sculpt* format.

X-CAD also enables you to take your CAD images into the third dimension. Using a separate 3D module, your drawings can be pieced together to form 3D drawings which can be viewed at any angle.

This helps you to visualise 3D objects with the resolution of a CAD system, but with the power of a solid modelling program. Each face must be constructed as a separate CAD drawing. Once all faces are complete, they are loaded into the 3D module and positioned to form a solid object.

Once you start to use X-CAD you realise it offers so much more than just a comprehensive set of drawing tools – it's also a very rapid piece of software. Even on a 68000-based Amiga running at 7.14 MHz, it blows away PC-based competitors such as AutoCAD running on 386-based PCs (the 386 being the equivalent of a 68030!). Run X-CAD on a 25MHz A3000 and it really starts to cook. The sort of performance that can be gained from this sort of setup is enough to reduce even a 486-based PC owner to tears! The difference in redraw speeds may not be immediately noticeable, but you'll soon start to appreciate it when working on larger drawings.

The only gripe I have is its user interface. Because it was written to run on a 1.3-based Amiga, the various windows and requesters can look odd when running under Workbench 2.04. This is a problem with X-CAD 2000 only though – X-CAD 3000 boasts a professional interface that looks good under both recent releases of the Amiga's operating system. One thing that can't be criticised is its power – it is without doubt the most powerful CAD package available for the Amiga bar none. No other package comes close.

presented with a blank worksheet and a small command window. Those unfamiliar with CAD packages may feel a little daunted at this point – although many of the operations can be accessed via the pull-down menus, it is predominantly command-based. That is, to get X-CAD to do anything, you must enter a BASIC-like command complete with all the necessary parameters, for example: #DRAW CIRCLE DIAMETER 16 :Loc XLOCK MID x1 MID x2'. This takes some getting used to, but soon becomes second nature.

X-CAD 2000 offers a comprehensive range of drawing tools including the usual line, circle, arc, ellipse, spline, point, cross-hatch and polygon. It also offers a number of powerful text facilities which enable fonts to be scaled, rotated and messed about with to your heart's content.

One important aspect of any CAD system is its ability to split a drawing into a number of discrete layers. This is handy when working with complex drawings because it enables you to isolate sections of the drawing you wish to view, even if those areas are hidden behind other layers. X-CAD 2000 gives you 256 of these layers to play with, which should prove more than enough for even the most demand-

X-CAD 2000

SPEED

Even on a standard Amiga, X-CAD runs faster than AutoCAD running on a '386-based PC!

DOCUMENTATION

Every command and function is simply explained which makes it a joy to use.

ACCESSIBILITY

If you've never used a CAD system, X-CAD can be daunting, but the manual is very good

FEATURES

Now that it directly supports DXF files, there's very little that it can't do.

VALUE

Considering PC-based CAD systems can cost £1,000 or more, X-CAD is very good value.



88%

Two years on from the original release of AMOS, have Europress launched the definitive version? **Jason Holborn**



finds out why this is the best piece of software we've ever clapped eyes on.

AMOS Professional

Programming Language ■ £69.95 ■ Europress Software

AMIGA FORMAT

WHEN EUROPRESS LAUNCHED AMOS in 1990, little did we know the effect it would have on Amiga programming. For the first time, even the greenest of beginners could tap into the Amiga's custom circuitry to produce anything from simple demos to arcade games. Since then, Europress have enhanced and extended AMOS products with AMOS 3D, the AMOS Compiler and Easy AMOS, a cut-down version of AMOS for beginners.

Now, getting back to the source of this success, they've launched a vastly enhanced version that promises to deliver even more programming power, enabling just about anyone to push the Amiga to its limits without taking a degree course in Assembler language programming. Many of the AMOS accessories have been rewritten in an attempt to bring a more uniform, flexible and professional feel to the AMOS programming environment

The original release came on three disks, but AMOS Pro now uses six, although it will still run on a standard 1Mb floppy-based Amiga. Not all three disks are needed to use it to its fullest, though. There are two Applications disks which contain demonstration programs; a Tutorials disk, another Examples disk plus the AMOS System and Accessories disks.

Once you've installed AMOS Pro, a double click on its icon brings it to life. Time for another shock – gone is the bland user interface and in its place comes a swish-looking frontend that makes AMOS Pro a more flexible system. Many of the operations which were previously only accessible through AMOS' obscure gadgets system can now be accessed via an extensive range of pull-down menus. You can now also edit several source files simultaneously, enabling you to cut, copy and paste between them without having to revert to the rather quirky 'Load Other' option.

The enhancements don't just stop at cosmetic changes though. AMOS Pro also offers impressive new commands and functions covering a number of existing and brand new areas of AMOS programming. Many limitations of the original have been addressed – you can now take direct control of your printer, send escape codes to it to change font styles

AMOS Professional
£69.95 from
Europress
Software, Europa
House, Adlington
Park, Macclesfield
SK10 4NP. 0625
859333

Apart from the flashy packaging, the first thing you will notice about AMOS Professional is the increase in the number of disks bundled with the system.

AMOS Professional isn't just a damned good games programming language – it can also be used to write applications such as an address book program like this.



and other printing functions. AMOS' program control constructs have been improved too, with the addition of an ELSE-IF clause. Surprisingly though, there's still no support for a CASE construct, although the new ELSE-IF clause can be used as a quirky alternative.

Those of you wanting to incorporate IFF ANIM format animations will be pleased to know AMOS now provides direct support for this too. Simply by loading the animation file into RAM using the FRAME LOAD command, it can then be played at a full 25 frames per second (that's faster than DPaint!) using

ACCESSORIES UNLIMITED

One criticism levelled at the original release of AMOS was the rather poor quality of its accessories, the utilities used to draw sprites and bobs, build up banks of sampled sounds and draw game maps, etc. Although the language itself was polished to the point that it positively sparkled, the AMOS accessories were generally of poor quality. Building upon the accessories bundled with Easy AMOS, Europress have addressed this criticism by rewriting virtually all of the AMOS accessories so that they look and perform as well as the language itself.

The Sprite Editor in particular is a vast improvement over the previous release. It allows you to design sprites and bobs with up to 64 colours, flip them, rotate them and generally mess about with them. If you don't want to draw them using the Editor's limited range of drawing options, you can use a dedicated paint package such as DPaint and then load the image into the Sprite Editor and cut them out as sprites. You can also test your animated bobs and sprites using the animation option. This presents you with a view not dissimilar to a roll of film. Simply by clicking on the bobs in sequence and setting the playback speed, the Sprite Editor will preview the animation for you. Another couple of new utilities for AMOS users (although Easy AMOS users have had them for months now) are the Sample Bank Maker and Disk utilities which enable you to build up a bank of sampled sounds and perform house keeping chores on disks. Although the latter is no Directory Opus, it's very handy to have this tool on tap if you're programming on a floppy-based system.

THE AMOS SYSTEM

There's more to the new-look AMOS Professional than some pretty, cosmetic changes. The system has been re-examined and brought up to date with some major enhancements to the way the whole kit-n-kaboodle works. Vast improvements have been made to nearly every aspect. So let's have a more detailed look...



improvement over the original AMOS Editor.

The heart of AMOS is the AMOS Interpreter which is used to type in, edit and run your programs. AMOS Professional's editor is a very attractive looking affair that can edit multiple source files simultaneously. It's certainly a vast



powerful beast that will even enable you to build up animations. Once again, it's a vast improvement over the original.

Gone is Aaron Fothergill's Sprite Editor, and in its place is a very posh affair written by the father of AMOS, Francois Lionet. It bears more than a striking resemblance to the Easy AMOS Sprite Editor, the AMOS Pro Sprite Editor is a very



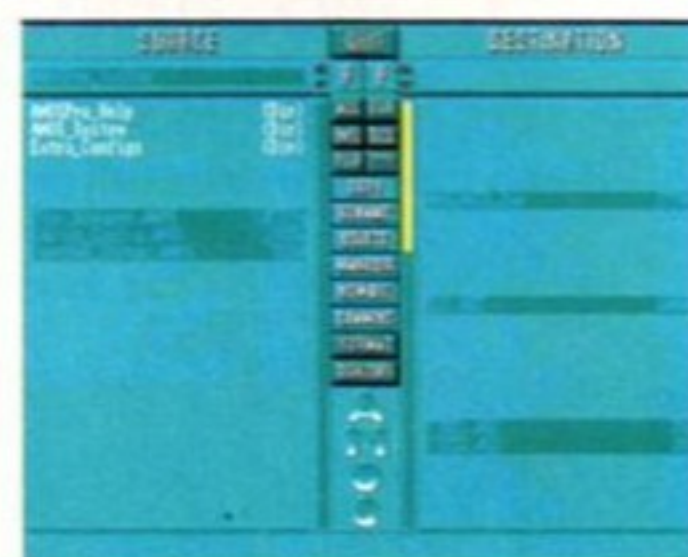
AMOS sample bank to use at your merest whim later.

Another utility borrowed from Easy AMOS is the AMOS Pro Sample Bank Maker utility which, as the name suggests, enables you to pull together a number of separate sampled sounds into an



them out using this tool ready for use within your AMOS programs.

New to the AMOS system is a Resource Editor which enables you to build up a bank of icons and gadgets for use with AMOS Pro's Interface commands. All you need to do is to draw all your icons in a package such as DPaint and then cut



If your disks start to get a little full, then the AMOS Pro Disk utility can be used from within AMOS to perform all those Directory Opus-like house keeping chores. All with not a single Amiga-DOS command in sight.

gets at regular intervals and the AMOS Interface language does the rest. The Interface language is the most complex aspect of AMOS Pro – with over 100 commands and functions; it's not the sort of thing you're going to learn to use overnight. But once you've got it sussed, it's something you'll never forget.

Another welcome addition is direct support for William Hawe's ARexx language, now an integral part of the Amiga's operating system under Workbench 2.04. ARexx support enables your AMOS programs to control (and be controlled by) other external ARexx 'hosts' using a series of simple AMOS commands.

The possibilities for ARexx support in AMOS programs are astounding. Providing the software and hardware both support ARexx, there's no reason why AMOS Pro couldn't be used to code anything from simple frontends for multi-program environments, to complete multimedia systems consisting of CD-quality sound and music, realtime laser disk video, and just about anything else that can be tacked on to the back of a multimedia system.

The original AMOS was breathtaking, but this is even better. Now that Europress have recoded the AMOS accessories to give them a more uniformed look and feel, AMOS feels more like the professional development system it truly is. The new enhanced user-interface is a gem, and the extra facilities offered take the standards of AMOS coding to new levels of excellence. It's now so polished and powerful that it's virtually perfect. The only omission from AMOS Pro is support for the enhanced chipset, although I'm sure Europress will correct this when the rumoured 'AA' chipset finally becomes available later this year.

AMOS always used to be treated as an oddity among professional programmers, but even the pros would be stupid to ignore this release. Although it still can't handle Intuition-based coding without reverting to complex library calls, AMOS' support for ARexx and its new, Interface, language make it ideal, not only for writing high-speed games and demos, but for any application. AMOS has come of age and the result is the most powerful and accessible programming language available to the average Amiga user. AMOS Pro is one product every Amiga user should own.

the FRAME PLAY command. Alternatively, these two steps can be performed in one go using the IFF ANIM command. Unfortunately, using this command creates problems if you intend to use Blitter Objects on the same screen – to avoid this use Sprites instead.

AMOS Pro also offers a number of enhancements to the sound system. For starters, you're no longer restricted to just AMOS-Music format soundtracks – AMOS Pro now provides direct support for not only SoundTracker modules, but MED tunes with full MIDI data send. If you've got MIDI synthesisers and drum machines linked to your machine, you can now write music for your games and demos that will take advantage of these.

The major addition to the AMOS command set is its all-new Interface command set which enables you to easily build up complex and attractive screen displays consisting of slide bars, gadgets and requesters. What's more, using the included Resource Editor accessory, you can design these gadgets in a program like DPaint, cut them out and use them within your AMOS programs with ease. AMOS Pro's interface system now runs under interrupt and uses its own command set which handles monitoring and reacting to gadget selections. All you need do is read these gad-

AMOS Professional

SPEED	●●●●●
Faster than a speeding bullet. Ideal for coding anything, from games to serious applications.	
DOCUMENTATION	●●●●●
Written by Mel Croucher, the AMOS Pro manual is a vast improvement on the original.	
ACCESSIBILITY	●●●●●
You won't write a mega game straightaway, but AMOS is still beautifully straightforward.	
FEATURES	●●●●●
No other Amiga programming language even comes close!	
VALUE	●●●●●
£70 may sound like a lot of money, but AMOS is still cheap when compared to the competition.	


97%

ACTION REPLAY

THE WORLD'S CARTRIDGE IS

NOW WITH A MASSIVE IN ROM OFFERING MK III

JUST LOOK AT THE UNMATCHED RANGE OF FEATURES

● SAVE THE ENTIRE PROGRAM IN MEMORY TO DISK

Special compacting techniques enable up to 3 programs to fit on one disk. Now saves directly to disk as Amiga Dos - reloads independently of the cartridge - even transfer to hard drive! Works with up to 2 Megs of Ram - even 1 Meg Chip Mem (Fatter Agnus).

● SUPER POWERFUL TRAINER MODE -

now with DEEP trainer. Even better than before - allows you to generate more or even infinite lives, fuel, ammo. Perfect as a Trainer Mode to get you past that "impossible" level. Easy to use.

● IMPROVED SPRITE EDITOR

The full Sprite Editor allows you to view/modify the whole sprite set including any "attached" sprites. PLUS A RANGE OF IMPROVED FEATURES.

● VIRUS DETECTION

Comprehensive virus detection and removal features to protect your software investment. Works with all presently known viruses.

● BURST NIBBLER.

Now this super disk copier program is built into Action Replay Mk III. Just imagine a superfast, efficient disk copier program at the press of a key - no more waiting.

● SAVE PICTURES AND MUSIC TO DISK

Pictures and sound samples can be saved to disk. Files are saved directly in IFF format suitable for use with all the major graphic and music packages. Samples are displayed as screen waveform.

● PAL or NTSC MODES SELECTABLE -

Useful for removing ugly borders when using NTSC software. (Works only with newer Agnus chips).

● SLOW MOTION MODE

Now you can slow down the action to your own pace. Easily adjustable from full speed to 20% speed. Ideal to help you through the tricky parts!

● MANY MORE INSTANT CLI COMMANDS -

like Rename, Relabel, Copy, etc.

● RESTART THE PROGRAM

Simply press any key and the program will continue where you left off.

● FULL STATUS REPORTING

At the press of a key now you can view the Machine Status, including Fast Ram, Chip Ram, RamDisk, Drive Status, etc.

● POWERFUL PICTURE EDITOR

Now you can manipulate and search for screens throughout memory. Over 50 commands to edit the picture plus unique on screen status "overlay" shows all the information you could ever need to work on screens. No other product comes close to offering such dynamic screen handling of frozen programs!!

● JOYSTICK HANDLER -

allows the user to select Joystick instead of Keypresses - very useful for many keyboard programs.

● MUSIC SOUND TRACKER

With Sound Tracker you can find the complete music in programs, demos, etc. and save them to disk. Saves in format suitable for most track player programs. Works with loads of programs!!

● AUTOFIRE MANAGER

From the Action Replay III preference screen you can now set up autofire from 0 to 100%. Just imagine continuous fire power? Joystick 1 and 2 are set separately for that extra advantage!

● IMPROVED RAM EXPANSION SUPPORT.

Now many more external Ram Expansions will work with all Action Replay III commands.

● DOS COMMANDS

Now you have a selection of DOS commands available at all times - DIR, FORMAT, COPY, DEVICE, etc.

● FILE REQUESTOR -

if you enter a command without a filename, then a file requestor is displayed.

● DISK COPY

Disk Copy at the press of a button - faster than Dos Copy. No need to load Workbench - available at all times.

● BOOT SELECTOR

Either DF0 or DF1 can be selected as the boot drive when working with Amiga Dos disks. Very useful to be able to boot from your external drive.

● PLUS IMPROVED DEBUGGER COMMANDS -

including Mem Watch Points and Trace.

● DISKCODER

With the new "Diskcoder" option you can now 'tag' your disks with a unique code that will prevent the disk from being loaded by anyone else. "Tagged" disks will only reload when you enter the code. Very useful for security.

DATEL
Electronics
LIMITED

HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS
ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...



DATEL ELECTRONICS



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT,
ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

DATEL LONDON SHOPS



222, TOTTENHAM COURT ROAD,
LONDON, W1. TEL: 071 58064

ON REPLAY

MOST POWERFUL FREEZER-UTILITY

NOW EVEN BETTER!!

STILL ONLY

£59.99

ON A 256K OPERATING SYSTEM

ON A WHOLE NEW RANGE OF

ON FEATURES

AMIGA A500/500+ FOR 1500/2000 VERSION £69.99

AMIGA ACTION REPLAY SIMPLY PLUGS INTO THE EXPANSION PORT OF YOUR AMIGA AND GIVES YOU THE POWER TO FREEZE MOST ANY PROGRAM

NEW

SET MAP -

allows you to Load/Save/Edit a Keymap.

PREFERENCES

Action Replay III now has screen colour preferences with menu setup. Customise your screens to suit your taste. Very simple to use.

NEW

IMPROVED PRINTER SUPPORT -

including compressed/small character command.

DISK MONITOR

Invaluable disk monitor - displays disk information in easy to understand format. Full modify/save options.



PLUS A MACHINE CODE FREEZER MONITOR WITH EVEN MORE POWER!!

MORE FEATURES INCLUDING 80 COLUMN DISPLAY AND 2 WAY SCROLLING...

- Full M68000 Assembler/Disassembler
- Full screen editor
- Load/Save block
- Write String to memory
- Jump to specific address
- Show Ram as text
- Show frozen picture
- Play resident sample
- Show and edit all CPU registers and flag
- Calculator
- Help command
- Full search feature
- Unique Custom Chip Editor allows you to see and modify all chip registers - even write only registers!
- Notepad
- Disk handling - show actual track, Disk Sync. pattern etc.
- Dynamic Breakpoint handling
- Show memory as HEX, ASCII, Assembler, Decimal
- Copper Assemble/Disassemble - now with suffix names

REMEMBER AT ALL TIMES YOU ARE INTERROGATING THE PROGRAM IN IT'S "FROZEN" STATE WITH ALL MEMORY AND REGISTERS INTACT - INVALUABLE FOR DE-BUGGING OR JUST THE INQUISITIVE!

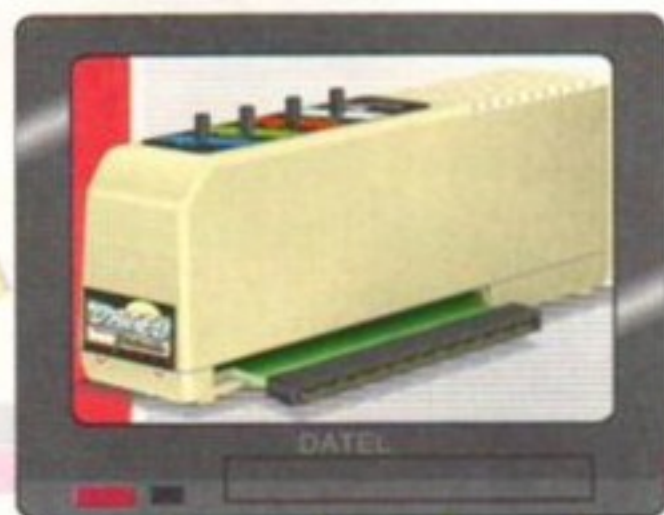
WARNING 1988 COPYRIGHT ACT WARNING

Datel Electronics Ltd., neither condones or authorises the use of it's products for the reproduction of copyright material. The backup facilities of this product are designed to reproduce only software such as Public Domain material, the users own programs or software where permission to make backups has been clearly given. It is illegal to make copies, even for your own use, of copyright material, without the clear permission of the copyright owner, or the licensee thereof.



REAL TIME Colour VIDEO DIGITIZER

CAPTURE REAL COLOUR IN REAL TIME!



NOW DATTEL BRING YOU THE FIRST REALTIME COLOUR VIDEO DIGITIZER FOR UNDER £200!!

- NOW, BY USING CUSTOM CHIP TECHNOLOGY, YOU CAN GRAB A PICTURE FROM ANY VIDEO OR CAMERA SOURCE - NO NEED TO PAUSE THE PICTURE - NO NEED TO USE FILTERS.
- Grabs 15 Bit colour image in 1/50 second, double buffered display updates at 5 frames per second full screen or 15 frames per second in monitor mode.
- Display 8, 8+, 16, 16+, 32, 32+, Red, Green, Blue, B/W and HAM.
- 24 Bit IFF file save from 15 Bit data plus visual IFF colour save modes.
- Screen display is 256 x 256 pixels in normal mode, 128 x 128 pixel monitor mode or optional 320 x 256 save mode.
- Editing features include Cut, Copy, Brush, Paste and Undo, palette controls include R.G.B. level and Gamma correction.
- Special effects mirror, reverse pos/neg compress etc.
- Standard phono video input 0.5 to 2.0 volt composite sync level from video/camera etc.
- Hardware consists of main digitizer unit with brightness and contrast controls and R.G.B. splitter unit featuring Red, Green, Blue and Saturation controls.
- Unit plugs into expansion connector of Amiga 500, with through port for hard disk drives.

OPTIONAL MOVIE MAKER SOFTWARE

- Movie Maker uses the monitor mode of the Real-Time Digitizer to record and playback.
- 128 x 128 pixel 32 colour images at rates between 1 to 15 frames per second.
- Full editing facilities to record, play, single, step, cut, paste, clear, etc.
- Play, loop, forward or backwards controls plus time interval feature for up to 1 hour between frames.
- Uses chip or just memory up to 6 meg to give 500 frames. This gives you a 1 minute movie at 8 frames per second.

ONLY £ **199⁹⁹**

OPTIONAL MOVIE
MAKER SOFTWARE

ONLY £ **19⁹⁹**

DATTEL
Electronics
LIMITED

HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS

ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs, ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...



DATTEL ELECTRONICS



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT,
ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

DATTEL LONDON SHOP



222, TOTTENHAM COURT RD,
LONDON, W1. TEL: 071 5806460

VIDEO DIGITIZER II



NOW YOU CAN DIGITIZE PICTURES FROM ANY VIDEO CAMERA OR VCR

- Completely re-designed interface that plugs into the expansion connector of the Amiga 500 or internal connector of the Amiga 2000.
- Standard phono video input 0.5 to 2.0 volts to take signals from TV, video or camera.
- Controls for brightness and contrast and throughport on A500 version.
- Frame grab in 1/50 second, record update up to 3 frames per second.
- Single or continuous mono update in 4, 8 or 16 grey levels.
- Play frames backwards or forwards up to 15 frames per second.
- Save Raw, IFF or sequence files.
- Automatically adjust for maximum number of frames according to memory available.
- Display 256 x 256 pixels, but optional 320 x 256 IFF Save. Screen editing features Cut, Copy, Brush, Paste and Undo.

- Second display editor controls sequence production: Record, Play, Insert, Clear, Delete Frames.
- Effects menu to reverse pos/neg, compress, etc.
- Set start and end position number of frames saved, number frames, step backwards and forwards, loop, etc. Time lapse feature adjustable in 1 second increments to 1 hour between each frame. Ideal for capturing flowers opening, sky movements, special effects, etc.
- Separate player programs included to insert into your own program disks. Hard disk transfer program.
- Please state whether you require the A500 or 2000 version when ordering.

All For Only £89.99 COMPLETE

100%... VALUE
100%... FEATURES **AMIGA FORMAT**
"At the price, the picture quality and wide range of features is almost unrivalled!"

8833 Mk 2 MONITOR

- Fully compatible Stereo Monitor.
- 14" screen - RGB Composite inputs.
- Free Amiga lead. ● Ready to go!!

Only £199.99 + £10.00 carriage.

PROTAR VISTO C14MI

Improved version of 8833 Mk II.

Only £209.99 + £10.00 carriage.

A500 DUAL PORT EXPANDER

- Allows two devices to be connected simultaneously to your A500/+ Expansion Port (compatibility allowing).
- Ideal for A590 owners, effectively giving Thru Port.
- Top quality connectors.

Only £19.99



ROM SHARER



- Some older programs will not run with the new Kickstart 2.04. Datel now brings you this unique Rom Sharer to allow you to switch between Kickstart 1.3 and 2.04.
- Easily fitted - no more to buy.

Only £24.99

DIGITAL DISPLAY DRIVE

- Top quality 1 Mb unformatted drive.
- Built in digital display actually shows which track is accessed.
- Attractively styled to suit all Amigas.

Only £59.99



MEMORY UPGRADES

512K UPGRADE

- Fully compatible - brings A500 up to 1 Meg.
- Simply plug into trapdoor - does not affect warranty.



- Fitted with disable switch.

Without Clock £19.99
With Clock £24.99

2 MEG UPGRADE FOR YOUR A500 PLUS

- Simply plug in to upgrade your A500 Plus to a full 2 Megs of Chip Ram.
- Take advantage of the Advanced Graphic Power of your Plus.

Only £44.99

RAM MASTER

- Upgrade your A500 to a full 2 Megs
- Easily fitted to trapdoor and Gary chip.
- Onboard clock - auto recharging.
- Fully populated with Fastram (requires Kickstart 1.3).

Only £79.99

NEW MINI SAMPLER



- A top quality 8 bit mono sampler complete with Pro Sampler and Jammer software.
- Also compatible with most other PD Sampler software.
- Inputs for microphone or line 3.5mm jack and din connections.
- Utilises latest surface mount technology and incorporates all the features found on bigger, more expensive samplers.
- Easy to use - just plug in and start sampling!

Only £24.99
COMPLETE PLEASE STATE A500/1000/2000/1500

AMIGA PRO SAMPLER STUDIO II + DATEL JAMMER

- New design hardware now plugs into expansion socket of A500 completely freeing the parallel port.
- Surface mount technology, twin A/D converters for realtime stereo sampling.
- Extensive filters for extremely clean and noise-free sampling.
- Through bus allows existing add ons, e.g. hard drive.
- The NEW Sampler II software has been completely re-written in 100% Machine Code and incorporates faster routines, bigger displays and many new editing features such as Cut, Copy, Insert, Replace, Mix, Erase, etc.
- Separate zoom windows and controls for left and right channels.
- Multi-bank facilities for 1 Meg users.
- Stereo lock control.
- Adjustable trig record level and sound monitor.
- Separate buffer for editing waveforms and improved wave-editor with instant update.
- Save files in Raw or single, multi-octave IFF format.
- Envelope control panel for ramping up and down re-scale amplitude, noise filter and scan waveform.
- On screen display of filenames sample rate, length, etc.
- Inputs for microphone or line 1/4" jack and DIN connections at rear of unit.

Only £49.99 COMPLETE (A500)
INTERNAL 2000/1500 VERSION ALSO AVAILABLE

REALTIME STEREO SAMPLING

MIDIMASTER

- Midi In - 3 x Midi Out & Midi Thru.
- Full Midi Interface for A500/1000/2000 (please state which model req.).
- Fully Opto isolated.
- Compatible with all leading Midi packages (In D/Music).

Now Only £19.99
INC. 2 FREE MIDI CABLES

INTERNAL MIDI INTERFACE

- Now an internal interface for the Amiga 2000 and 1500.
- Easily fitted in minutes.
- Leaves serial port free for other uses.
- Midi In, 3 x Midi Out and Midi Thru.
- Fully compatible - Opto isolated.

Only £29.99
INC. 2 FREE MIDI CABLES

MICROMIDI

- MIDI In - MIDI Out - MIDI Thru.
- Fully Opto isolated.

Now Only £14.99



HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS

ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...



DATEL ELECTRONICS



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

DATEL LONDON SHOP



222, TOTTENHAM COURT RD, LONDON, W1. TEL:071 5806460

NOW A FULL COLOUR HANDY SCANNER FOR YOUR AMIGA

SEE US AT
Future Entertainment Show

AT AN UNBEATABLE PRICE!!

FOR ONLY
£199.99

- The NEW Datel Colour Scanner uses the Mustek 8 colour grey scale head to produce 4096 colour images.
- Several modes of operation are available to give 8, 16 or 32 different colour and Ham images as well as 16 grey scales.
- Scan update direct to the screen with direct scrolling and positioning of the scanned image.
- Full colour palette control with Gamma correction.
- Save IFF or Raw files of screen or buffer.

- Runs in 640 x 256 or 320 x 256 screen display.
- Unit plugs into expansion port of Amiga and does not require external power unit..

HIGH RESOLUTION BLACK & WHITE HANDY SCANNER AT AN EVEN LOWER PRICE!

NOW ONLY **£99.99**

- Package includes Handy Scanner, Interface, Power Pack and Scan Edit IV software.

- NEW** IFF Buffer Save 1600 x 1024 pixels, dual buffer, scan matching & view Buffer.
- Unmatched edit/capture facilities & keyboard control not offered by other scanners at this special price.
- NEW** Full keyboard control of most functions.
- An easy to handle Handy Scanner featuring 105 mm scanning width & 400 dpi resolution enables you to scan graphics/text into your Amiga.

- NEW** Includes hard disk transfer to run under Workbench.
- Adjustable switches for brightness/contrast levels.
- NEW** Full sizing menu of scan area.
- Geniscan gives you the ability to scan images, text or graphics & even offers 200 Dpi Dual Scan Mode.
- NEW** Screen grid overlay & configure menu to save parameters. Icon menu to select functions.

- NEW** X, Y position readout & metric sizes.
- Save images in suitable format for most leading packages including PHOTON PAINT, DELUXE PAINT, etc.
- NEW** View window and position control panel.
- Powerful partner for DTP that allows for cut and paste editing of images etc.

COMES WITH **FREE PHOTON PAINT**

GENIUS DIGITIZING TABLET

ADD A PROFESSIONAL TOUCH TO YOUR DRAWING/CAD WORK

- With the Amiga Genitizer Graphics Tablet you can streamline the operation of most graphic or CAD programs.
- The Genitizer Graphics Tablet utilises latest technology to offer up to 100 dpi resolution at the tip of a stylus.
- Complete 9" x 6" digitizing area plus super accurate stylus combine to enable fast, accurate and easy control.
- Works by "mouse emulation" so the Genitizer will work with most packages where mouse input is the usual method - Deluxe Paint, Photon Paint, CAD Packages, etc.
- Supplied with a template for Deluxe Paint.
- Full easy to follow instructions.
- This is the input method used on professional systems - now you can add a new dimension to graphics/CAD.
- Fast input of drawing by "tracing" is made easy - plus "absolute reference" means you can move around the screen many times faster than by a mouse.
- The Genitizer fits in the serial port of your Amiga 500/1000/2000 and "co-exists" with mouse.
- Unlike a mouse, the Tablet gives absolute co-ordinates so that tracking and menu selections are possible from the tablet face.

- A pressure sensitive switch built into the stylus tip activates the Tablet overriding the normal mouse input. When you are not using the Tablet, you have normal mouse control.
- Complete system - Graphics Digitizer Tablet, Stylus, Deluxe Paint Template, Power Adaptor, Test Software, Interface Unit, plus Driver Program - no more to buy!

NOW ONLY
£129.99



OPTIONAL PUCK
As an alternative to the stylus input the Genius Tablet also has an optional four button puck. Ideal for tracing etc.
ONLY £29.99

GOLDEN IMAGE OPTICAL REPLACEMENT MOUSE

... NOW A TRUE OPTICAL MOUSE! FOR THE AMIGA

- YES A FULL FEATURE OPTICAL MOUSE FOR YOUR AMIGA - THAT MEANS NO MOVING PARTS!
- Incorporating full optical tracking and counting - no ball so no problems with clogging, slipping, etc. High count output for very fine movement.
- Two button microswitch action.
- Comes complete with special "Optical Pad".
- Superbly styled - supersmooth shape moulded to fit the hand.
- Comes complete with moulded 9 pin connector. No more to buy!!

COMPLETE ONLY **£39.99**

GENIUS MOUSE

- High quality direct replacement for mouse on all Amigas.
- Teflon glides for smoother movement.
- Rubber coated ball for minimum slip.
- Optical system counting - 500/mm.

COMPLETE WITH ALL ACCESSORIES
ONLY **£19.99**



HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS
ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...

DATTEL ELECTRONICS

GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

DATTEL LONDON SHOP



222, TOTTENHAM COURT RD, LONDON, W1. TEL:071 5806460

ONCE YOU'VE GOT used to working *DPaint* (turn to page 29 if not) but once in a while you need to get something from the real world into your Amiga. The best way to siphon off a bit of reality into the memory of your Amiga is a video digitiser. Digitisers have been around for a long time and once you get an Amiga it's not long before you're dying to get digitising. What with video cameras being so (relatively) cheap, it's easy to get access to image grabbing and treatment hardware which only six or seven years ago would have cost you a packet to put together.

Once a picture has been grabbed into the Amiga it can be used in a DTP program or the same as any other graphic in your own C or AMOS programs. Or you can load it into an image-treatment program like Black Belt's *Image Master* for the application of special effects like morphing. Once you have a video source and a digitiser you're not a photographer, you're a 'computographer'.

So you may have a rough idea of what you want from a digitiser, but here's a rough idea of what you need to be a one-man digitising solution: a video source: a black-and-white or colour video camera, or a video recorder; computer and digitiser: for grabbing the pics, and with that of course you get the software.

There are, though, many options within this small list of tools. Like do you need a colour or black and white video camera, black and white digitiser or frame grabber, or a colour video splitter, or do you need a professional framestore? Obviously everyone would like the best, but what do you need? Let's reduce it to basics.

Basically there are three ways that you can get an image from the real world into an IFF file on the Amiga screen: mono, three-pass colour or real time. Mono digitisers are what you call framegrabbers, because they scan the in-coming image from the video source very rapidly, and can grab a frame on the fly. Three pass systems are colour based, although the source video has to be a still frame. Lastly, framestores are real-time systems, which have a chunk of video memory in them. The TV image is frozen by the framestore circuitry, and then the image is grabbed by the normal three-pass method.

In order to grab in colour, either the video image has to be still, or your digitiser has to have a framestore. The reason for this is that each of the three components of light (red, green and blue) need to be grabbed separately and then combined. If you don't want to shell out for one of the more expensive framestore type digitisers, you have to have a video with a reliable Pause mode. Colour splitters make this easy from colour cameras, or else you have to use a black and white camera with colour filters for each pass. (See the Tech Talk box-out).

Grabbing everything that comes on telly and storing it up on a pile of floppies might appeal to you, but what use can you put all these images to? Well the pictures you've grabbed are in IFF format in some form or another, so they can be pasted into any Amiga program



If you want it, grab it!

Grabbing images from video is easy, but what is the right tool for the job, or budget. **Phil South** looks over some old friends and new trends.

JARGON BUSTERS

CHROMINANCE: the colour in a video picture. Also called Chroma.

COMPUTOGRAPHY: video and computer-based photography.

LUMINANCE: the light portion of the video image, the light levels which give you different shades on screen. Also called Luma.

RGB: shorthand for Red, Green, Blue: the components of light.

SPLITTER: a device for splitting a video image, or images, into red, green and blue image components electronically rather than with the use of a black-and-white camera and filters.

YUV: a mixture of Chroma and Luma used in a composite video picture.

which accepts IFF, which is most of them. DTP is the favourite here, because you can combine your IFF grabs with text, for pages that look rather special. OK, so you might not want to make a book about your holiday video, but how about a local football fanzine, or a radio controlled-model magazine? A video of an event can be grabbed and used as illustration for a piece on it in the magazine.

Once you've got a grab you can alter the file format to make it compatible with another computer. The Amiga uses IFF ILBM format, but other computers prefer GIF, TIFF or Degas formats. Using an image-manipulation program like ASDG's *Art Department Professional 2*, you can process the files to any format you like, even port it to a Targa 24-bit card on a PC. The one exception in this digitiser round-up which doesn't produce native IFF files is the VLab kit. This uses a very different format called YUV, although conversion to IFF formats, even 24-bit, is a very simple process using the software.

But rather than alter the file in a technical sense, how about altering it in an aesthetic way, but using treatments. Black Belt's *Image Master* is one of the perfect tools for that, but if you want to get into that territory you'll have to have a fat wallet for extra memory, especially for 24-bit files! So, let's look at what's available for the the majority of users...

COPYRIGHT

Grabbing from a video you've made yourself (such as a holiday film) is fine, because you own the copyright on it. But grabbing from commercial video or TV is copyright material, and you have to have permission for it. For example, we have permission to use images from *Akira* for illustrating this article, but we don't have permission to copy the whole movie. Copyright law is a complex area; but, as a rule of thumb - if you didn't create it yourself, you should look for permission to use it. No permission = no use.

TECH TALK

Most of the digitisers reviewed here use the parallel port for zipping the images from the video-in port to the Amiga. The parallel port is quicker because bits of information travel side-by-side rather than one at a time as with the serial port.

Some, though, like the VIDI machines plug into the external drive port or the joystick port to draw power or sync from the Amiga. Some plug into the expansion port on an A500, so are useless to A600 users. They will need to use the parallel port route. Others, like the DCTV and ColourPic Plus, use the RGB port too, usually with a pass-through for the monitor signal.

You deserve the best!

Now you can get the best... with PEN PAL!

A superb package, with immense power, to fulfil all your word processing requirements and... it includes a Database! It's all so easy to use, you probably won't need to refer to the extensive 250 page manual too often.

Whilst working, you can open up to four documents simultaneously (memory permitting), search and replace; cut, copy and paste; check your spelling with a 100,000+ word dictionary. You can import your favourite IFF/HAM graphics, from programs such as DPaint II or Clip Art files in various sizes and colours. You can automatically flow text around graphics in any Workbench compatible font (there are over 200 available styles), in different sizes and colours to suit your design... even as you type. All this from a word processor and... Much, Much, More!

As you can see, this is not just any ordinary word processor! Full Page View with position, edit and creation of graphic objects. Mail Merge using the built in database and forms designer. Creation of templates for complex reports, into which the database can be merged.

Operating with 32 fields per record, and 32,000 records per database with a fast sort of 1000 records in less than 5 seconds this is a *real* database.

Pen Pal requires an Amiga 500/1500/2000 or 3000 with a minimum of 1megabyte of available memory.

Pen Pal

When...you deserve the best!

£79.95



"...its handling of graphics is unsurpassed: Pen Pal is the only program I tested that will automatically wrap text around graphics..."
Amiga World...Jul. '90

"..without beating around the bush Pen Pal is very special.." - "There is little to fault Pen Pal and it deserves to do well."
Amiga Format...Dec. '90

"...I am extremely pleased with your product especially the Graphic Capabilities within the Word Processor. Having the Database on the same disk has made PEN PAL the best program I have..."
D.S.B., Plumstead, LONDON

"...Please let me tell you how amazed I am at how EASY IT IS TO USE PEN PAL. The manuals supplied are very informative and very clear..."
P.S.S., Clifton, NOTTINGHAM

"...A most excellent piece of software..."
E.P.H., Strathclyde, SCOTLAND

Gordon Harwood Computers
New Street
Alfreton
Derbyshire
DE5 7BP

Dear Sirs,

Hello! I am writing this letter using "Pen Pal". Normally I do not correspond with computer companies, but this time I had to make an exception.

I have been looking for a program that I could use to create colourful letters, useful forms, and effective business graphics. I have purchased several Amiga word processors whose ads made "great claims as to their capabilities. After using these programs, however, I found that the ads were only type! I soon began to feel that no program would do what I wanted to do.

Recently I saw your program "Pen Pal" on my dealer's shelf. According to the package I thought that I might finally be in luck. Although I purchased the program I was afraid that in reality it would not do everything the package said it would do. As soon as I got home from the computer store I fired up the program on my computer. Without even reading the manual I was soon creating documents with colour and pictures. As you can see from this letter, I have become pretty good at your program's graphic capabilities.

One pleasant surprise I had was to discover that Pen Pal has a built in database manager. I find that I use this database almost as much as the word processor. I have entered my Christmas mailing list, video tape library, and cooking recipes in its databases. When I send Christmas cards this year I will use Pen Pal to print the mailing labels. I am designing my own Christmas cards in Pen Pal including some pictures I drew in a paint program. I plan to use Pen Pal's mail-merge feature to merge my mailing list names with the card to make each one personalized.

Thank you for making this program available.

Mr. Richard Goodwin

Man's (and Woman's) Best Friend

Pen Pal Order Line
0773 836781

Pen Pal is also available from good computer stores everywhere!

FINISHED MANUFACTURING COMPANY

Financial Report to Division Managers

	1987	1988	1989	1990
OPERATING EXPENSES				
Cost of sales	298,170	28,188	382,358	36,298
Selling, general, and admin.	364,479	97,108	695,968	149,836
Research and development	46,549	14,815	89,667	26,289
Income from operations	312,304	112,531	585,386	289,298
Equity in loss of S.M. operations(15,891)	7,347	5,337	(21,812)	
Interest income			16,817	
Income before taxes	382,048	117,868	574,398	211,521
Provision for taxes	113,588	51,888	217,588	91,188
Net Income	198,460	65,980	356,810	120,333
Net Income per share	58.17	58.86	58.31	58.11

... and they are better than expected!

In the first quarter of 1988 each division took advantage of strong economic conditions in their respective territories to post sales figures well in excess of their goals.

Trade Distributors...

SDL

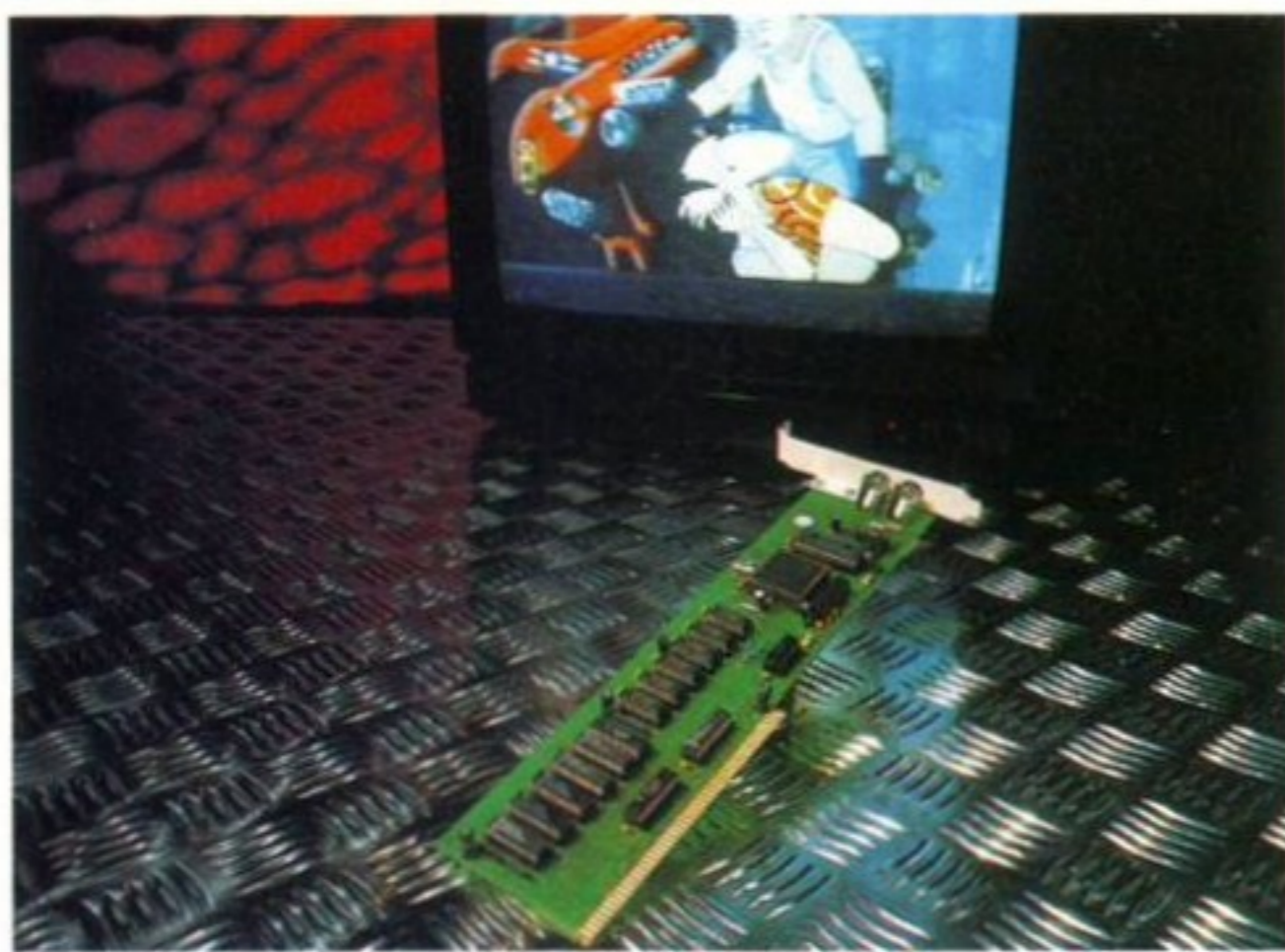
JH Precision Software

S CENTRESOFT

HBM HB MARKETING

Pen Pal is supplied into the UK through...
Gordon Harwood Computers New Street Alfreton Derbyshire DE5 7BP
Telephone: 0773 836781 Facsimile: 0773 831040

GORDON HARWOOD HARWOOD HARWOOD
Computers



A slim Zorro card with two inputs, switchable through software. The card is slightly shorter than other cards, so it needs care when fitting.

The quality of the grabs you get with VLab is excellent. Once the picture has been grabbed, it can be converted to any Amiga resolution, even 24-bit like this example.



VLab

Amiga Centre Scotland ■ £299

Not something you hear a lot about, which is a real shame as it's one of the most useful devices for digitising on the Amiga. It's a slim Zorro card for Amiga 1500/2000/3000 and once installed in any slot, it has two selectable composite inputs poking out of the back of the Amiga.

VLab takes the video line-in, and the images are digitised in YUV format (combined Chrominance and Luminance) and, although these files are not 24-bit, they can be converted by the software into 24-bit with minimal loss of resolution. The unit is really a small, cheap frame buffer and, although it does its job very well, it doesn't (like most of the other units which use 24-bit) take up a pile of memory to do it. Totally mind-numbingly efficient are the words for it.

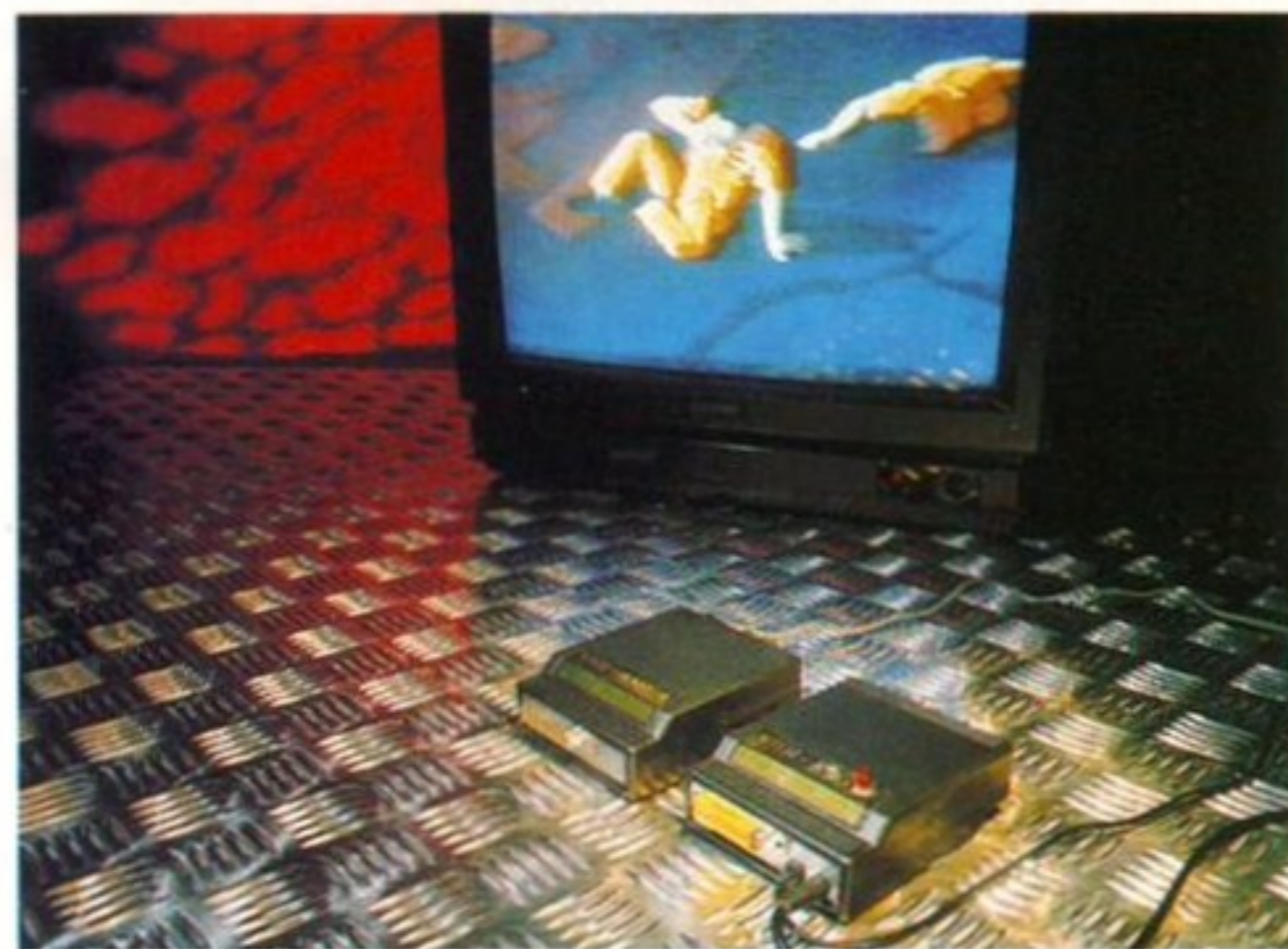
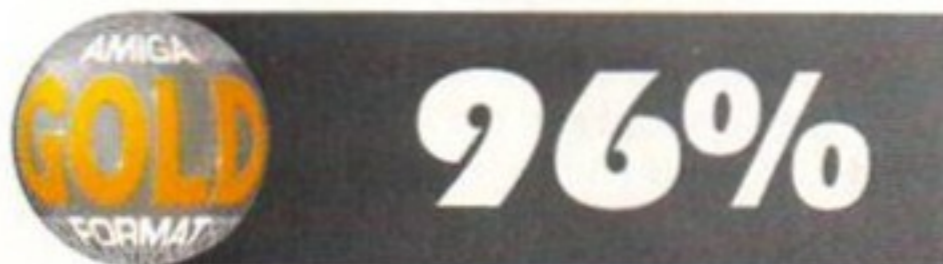
The quality can be seen for what it really is if you also have a Harlequin installed, because the image can be sent in full 24-bit colour directly to the board. The 24-bit image can be saved to disk with very little degradation of quality, and it's all very simple and fast. The Amiga resolutions are also available with very sharp HAM down to two-colour being available, dithered or un-dithered. There are also modes for 64 and 256 colours: this means that you can easily convert these pictures to other formats for different computers.

The software is uncluttered and easy to use. It's based on a number of windows on the screen. A new screen can be opened to display the Amiga versions of the YUV pictures, or they can be seen in a low grade, dithered two-colour version in windows of their own.

Obviously, a fast processor speeds up the times it takes to save, load, and convert pictures, but the times for these operations are not too prohibitive

without the extra muscle. Candidly, of the digitisers I tested, this was the one which gave me the most pleasure, best results and least hassle to test and use. Although it's cheaper and has fewer features than the externally mounted ColourPic, it does the job it's designed for very well. You do have to lace up another TV monitor to the video to see what it is you're actually grabbing. Future versions of this hardware should have an external feed to monitor the input going through the unit, rather than two inputs, which I found frankly redundant.

Despite its simplicity it is an excellent unit, and well worth every penny.



Although the hardware looks a little kludgy, it is in fact very sophisticated and, for the price, it turns out some very superior results.

The picture quality is very high, especially when the RGB pictures are combined using the 'Slow' algorithm.



VIDI Complete Colour Solution

Rombo ■ £179

The Complete Colour Solution comprises the basic Mono VIDI Amiga, plus the RGB Colour splitter and the VIDiChrome software which makes it all work.

The hardware is a bit like those awful little project boxes you get in electronics shops, with flying leads everywhere and not one simple, elegant way of linking everything together and sitting it on the desk. No matter what I do it still looks like a mess of Medusan worms with hairwash problems.

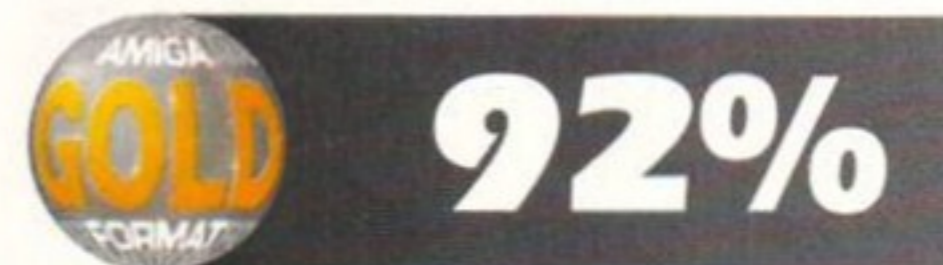
The splitter takes the video signal and, on a cue from the VIDiChrome software (via a lead plugged

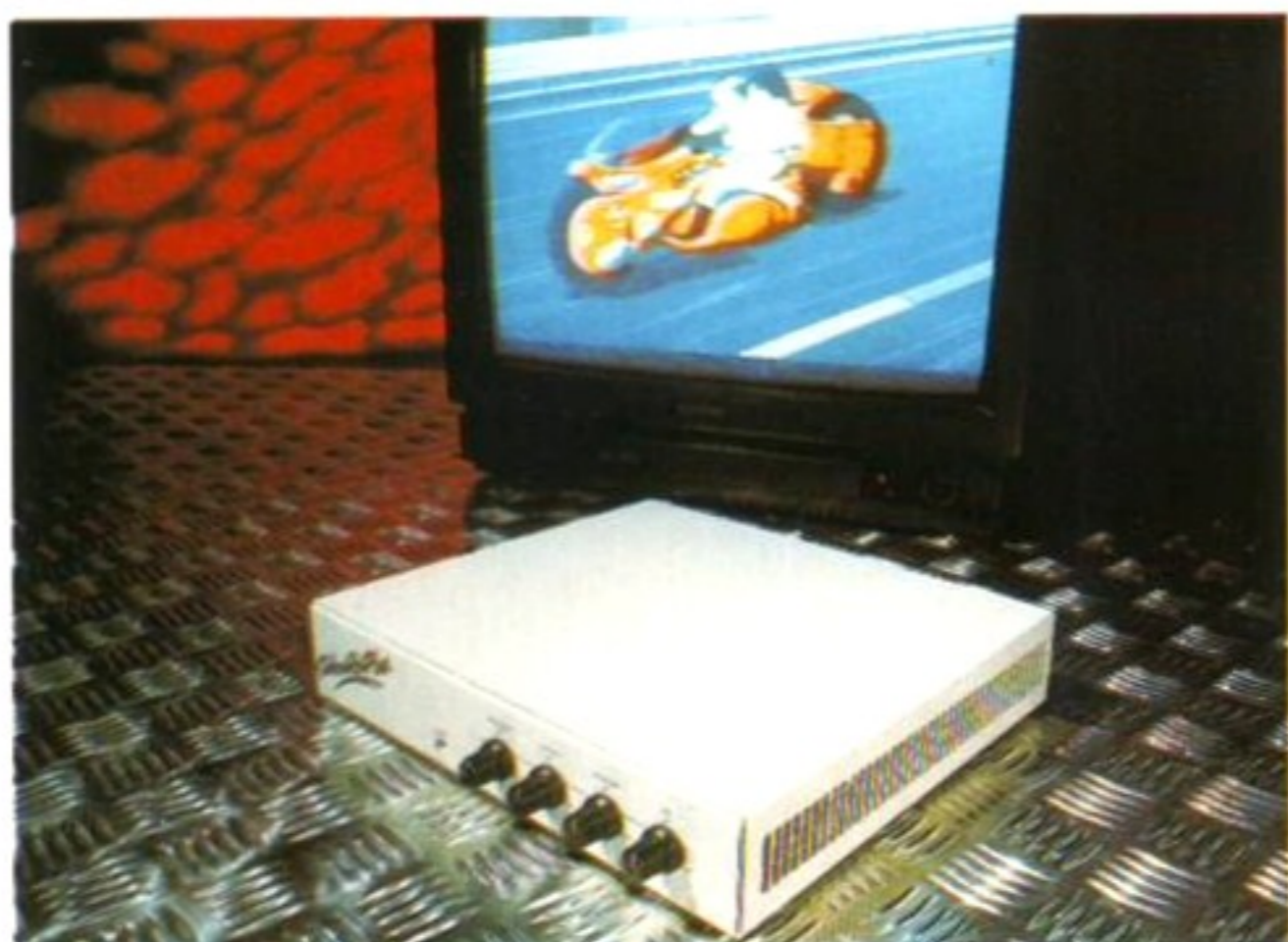
in the joystick port) takes three very rapid red, green and blue (RGB) snapshots of the frame you've fed it. The video frame has to be on Pause, of course. These shots are then combined as a single, sharp HAM image that can be saved to disk. It looks bad but it works very well. The only quibble I have with the design is putting the control knobs for brightness and soon on, on the back of the unit where you it's difficult to reach them.

The VIDI on its own is a very creditable 16 grey-scale mono video grabber which even grabs a series of frames for you to choose from, or animates them for you. The VIDi software is fast, so no still-frame is needed although, to choose the exact frame you want, requires judicious use of the Pause control simply because VIDI doesn't grab every single frame. I like the quality of the mono and the

colour versions included in this package and, if the price puts you off for some reason, remember that all the items in the bundle are available separately for you to buy one at a time. So, you can end up with the Complete Colour Solution, even if it's a little incomplete to begin with. I like this one a lot.

The new unit due out from Rombo hasn't, unfortunately, made it in time for this roundup, but the VIDI Amiga 12 is the next generation VIDI, and looks likely to give all the other quality digitisers a run for their money.





The ColourPic Plus hardware is very professional looking, and has wires bristling out of every port available. This is a very pro' item.

Similarly to the VLab, the ColourPic can save pictures in any Amiga resolution, up to 24-bit. Because the image quality is so high to begin with, the final results are hard to top.



ColourPic Plus

JCL ■ £699

The ColourPic Plus comes hot on the heels of the ColourPic and SuperPic machines from JCL which set a precedent for high-quality digitising. The drawbacks with the original machines were manifold, in spite of their obvious quality. You had to have external monitors to see the images that you were grabbing, and they only did normal Amiga resolution pictures, and not the near 24-bit that they were grabbing.

Well, the 24-bit market has moved on a bit since then, and so has the ColourPic. Pressing the spacebar switches the view on your monitor between the live framestore image and the Amiga screen. Freeze the video, and the frame freezes on your screen,

you can see it. Then you can import it into the new software, *Cabaret Plus*, and save it as any format of Amiga picture up to 24-bit, or in either an AIM or RAW file format.

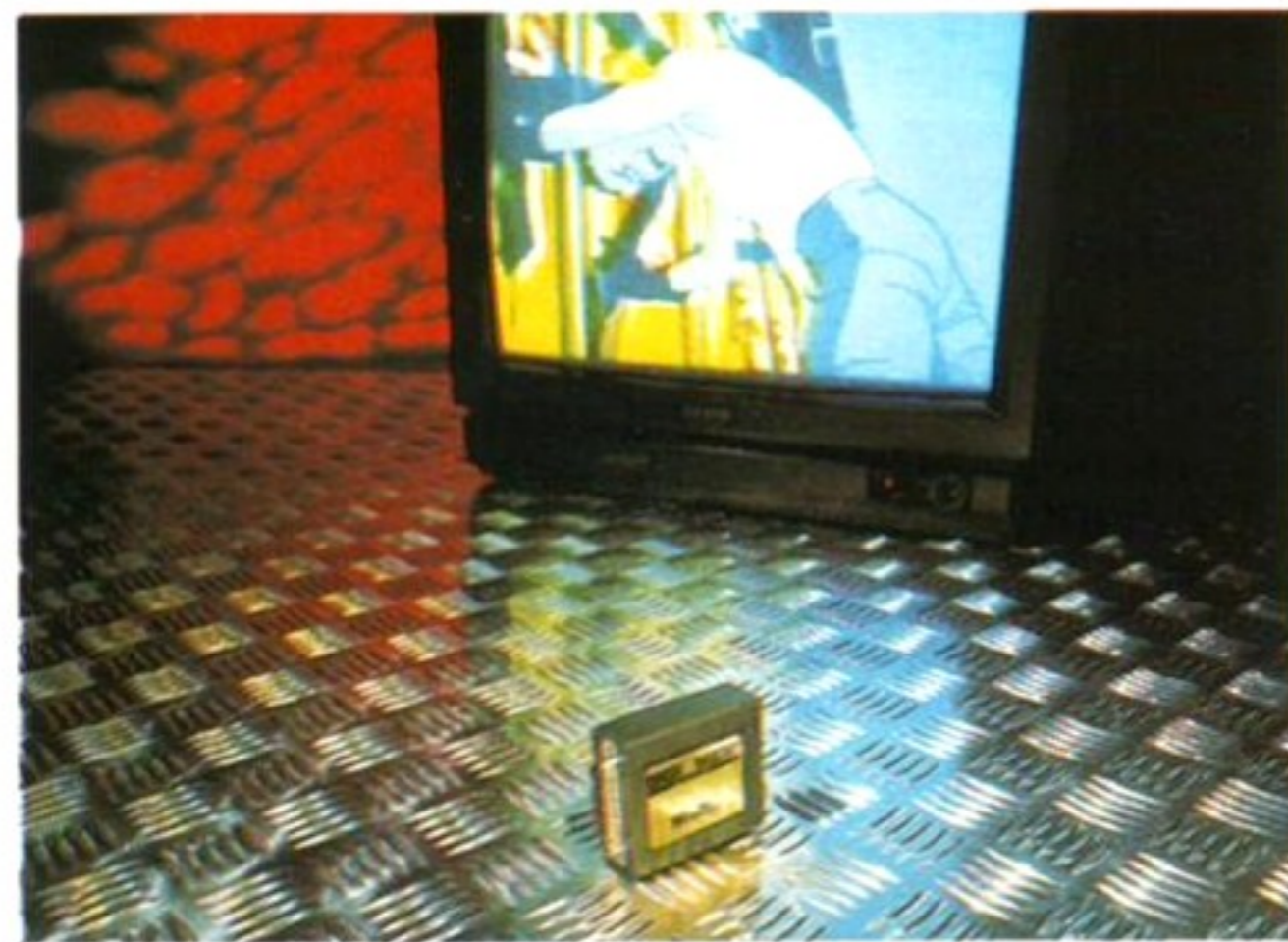
The software is intelligent and knows when frames have been stored and imported to the Amiga. Obviously, an accelerator would be a bonus because uploading and downloading frames from the framestore takes time and, if you're anything like me, that's the one resource that always runs out before video tape and money.

It's very impressive to see a live TV picture freeze when you hit F1 but, for the price, it needs to be impressive. Obviously this is aimed at high-end Amiga enthusiasts and low-end professional outfits. Any piece of equipment this expensive is not for your average Joe on the street and why should it be? Do Ferraris cost the same as Nissan Micras?

Both will get you down to the shops, but only one of them does the job with any amount of style.

I have had a few problems using the review unit, although I'm assured by JCL's technical staff that this is a whim of my Amiga system so I haven't been able to save IFF and IFF24 pictures from the unit. A dodgy library, a loose cable? I never did track down the problem. The machine performed perfectly well in everything else apart from this, so I couldn't really justify a quibble about a silly little inconsistency such as this.

I just wish I was rich enough to own one!



Considering the age of the hardware, DigiView is still a very high quality item, although it has no bells and whistles like more expensive units.

If you use an RGB splitter you can get good results from video-film. It is not really designed for this however, and you get better results using a video camera.



DigiView Gold

NewTek ■ £149.95

An oldie to be sure, but a goodie nonetheless. The idea is that you use the unit with a black and white video camera mounted on a tripod or a copying stand, and then use colour filters over the lens to scan manually for the RGB components of the picture from a photo or other flat image. The filters alter the tones going into the digitiser and, if the black and white images are coloured red, green and blue respectively, and combined, you get a colour picture! A little trick NewTek learned from NASA, I suspect.

More recently this method was automated: the filters were rotated automatically by a robot filter turning device. This method was simple but effective, although somewhat hilarious. Quality wise

DigiView is still hard to beat. The drawback is that, in order to get up and running, you also have to buy a black and white video camera and copy stand, as well as the basic unit and software. It will run using a splitter from a video source, but DigiView is a little bit picky about its video sources. So, unless you have some good quality video gear, and a splitter it's usually best to stick with the b/w camera route.

Having said all that, it does deliver, by virtue of all it's internal workings being 24-bit. As a by-product of being 24 bit (at least internally) the software produces high-quality images and can also load and convert 24-bit pictures. All you do is load your 24-bit picture into the program and it's displayed at the current resolution selected in the screen setup menu. This is an undocumented feature, but it works very well, and although it takes a few minutes to sort it all out, this is one of the easiest ways to preview a 24-bit picture for systems without any

kind of expensive framestore attached. The software is slow, but it takes its time for a reason, and the reason is image quality.

In spite of its age, DigiView is still one of my favourite digitisers although not, as I said for working direct from video tape. It can do it, but the image quality generally suffers because this is not what it was designed for.

All the same, 'slow', and 'quality' are the watchwords. If you want a fast, flashy and generally go-faster stripe digitiser, look somewhere else, because you won't find it here.

KCS Power PC Board

See us on stand 4610 at

Future Entertainment Show

PC Emulation on your Amiga

About...

The KCS Power PC is a complete 11MHz 1Mb PC sub-system that can be fitted to any Amiga in minutes.

Based around NEC's highly successful V30 CPU, the Power PC Board offers a very high degree of compatibility at machine language level, yet runs faster than an equivalent Intel 8086.

The 1Mb of Autoconfig™ memory can be accessed by all current Amiga models including the A500 Plus. Even the original A500 can access 512K as a standard expansion with clock; plus a 512K RAM disk.

Adored by critics and users alike, the KCS Power PC Board is a real alternative to buying a complete PC clone.

Installation

The KCS Power PC Board fits to any Amiga in minutes:

- On A500 and A500 Plus machines it simply slides into the trapdoor expansion and doesn't invalidate your warranty!

- On bigger Amigas, such as the 1500/2000/2500/3000, it drops into a vacant Amiga slot using the custom designed adaptor board.

- Once fitted, your Amiga can be switched into PC mode simply by clicking an icon. Just reset and it's an Amiga again.

No fuss, no hassle. Just two machines in the space of one.

Video

- Supports the majority of EGA and VGA modes in 16 glorious colours and monochrome - graphics up to 640 x 480 and text too. Interlace is required for some modes but a software flicker fixer is built in.

- Other video modes include MDA and CGA text and graphics. Also supports Tandy colour graphics adaptor and Hercules monochrome.

- EGA and VGA graphics can be displayed on a domestic TV or monitor. Unlike real PCs, no extra hardware is required.

Disk

- Up to four Amiga drives can be connected to your system and accessed in PC modes as 3.5" 720K or 5.25" 360K. Typical disk access is at least twice as fast as most real PC clones!

- DOS can be started from any mounted drive 5.25" or 3.5" and most Amiga hard drives.

- Supports most popular hard disks including GVP Impact, Supra and A590 (Omit and SCSI).

- A massive 200K ramdrive (up to 8Mb with expansion) is available in PC mode and it's PC-reset proof too.

Memory

- Even with a base Amiga 704K is free for DOS programs (640K in EGA and VGA modes).

- EMS (expanded memory) is supported allowing you to run Microsoft Windows without problems and store massive files in Lotus 1-2-3. So, if you have 8Mb on board, the PC can use it.

- XMS (extended memory) is supported even though this is not usually possible on NEC V30 machines.

Speed

Its Landmark speed puts it way ahead of many true PC systems - it even compares favourably with many AT clones.

However, the crux of the matter lies with the video speed; and this, as many critics have noted is where the KCS Power PC Board scores over all others. It's no use having a wizz-bang processor if the screen takes several seconds to redraw itself.

- Tests in text modes have shown it is several times faster than even AT clones with dedicated video hardware. Even in graphics modes, it's no slouch although the emulation is limited by Amiga hardware.

- Add a processor accelerator card, and the 32-bit clean KCS cache software will use it to its full advantage.

Mouse

- Automatic serial mouse emulation is supplied as standard - using your existing Amiga rodent.
- Mouse can be configured as COM1 or COM2.

COMING VERY SOON
The KCS Power PC Board for the A600

Also KCS high density Amiga Twin floppy drive

Joystick

- Up to two sticks can be employed at any time. You decide how they are arranged.

Printer

- Your Amiga's parallel port is accessed as LPT1 in PC mode

Serial

- DOS usually supports two serial ports, but one is taken by the Amiga mouse. The Amiga's serial can be set as COM1 or COM2 as desired, ie for MODEM etc. up to 19200 baud full-duplex.

Sound

- PC sound is supported, but there's an additional volume control available in software.

Works on...

- All Amigas (except the A1000) fitted with Kickstart 1.2 and Workbench 1.2 or higher.

- Extra memory is not required, but full use will be made of extra hardware, like accelerators, flicker fixers, modems etc.

"PC emulation is a contentious issue - but the KCS Power PC Board is the only one to carry my personal recommendation. It is an excellent product that does all it claims and does it well." - comments Mark Smiddy, co-author of Mastering AmigaDOS 2.

PRICE

Including on-board memory. **£195.00** incl. VAT/Carr.

Adaptor for 1500/2000/3000 - **£74.95** incl. VAT/Carr.

(DOS Extra - enquire for current price)

Available from your local computer shop (if they haven't got it - Ask them why not!). Or direct from Bitcon Devices

BDL

BITCON DEVICES LTD.

88 BEWICK ROAD, GATESHEAD, TYNE & WEAR, NE8 1RS ENGLAND

TEL: (091) 490 1919, HELPLINE (091) 490 0202

FAX: (091) 490 1918

Compatibility is excellent but no-one can guarantee every single program available, therefore if your purchase depends on a particular program, please ask us first or send in a copy of the program. (With suitable S.A.E. if to be returned). Price subject to change without notice.

Wholly developed and produced in the Netherlands

Some of our importers worldwide:

Australia: HPD (Tel) 08 349 8466. Kaotic (Tel) 03 879 7093. Spain: Discover Inf. (Tel) 957 47 89 38. Sweden: Delikatess-Data (Tel) 31-300580. Docado (Tel) 40-497480. Canary: Customs Chipx (Tel) 928 271064. Denmark: Betafon (Tel) 31 31 02 73. Portugal: Softclub (Tel) 01 3528452. Ireland: Computer City/Dublin 745250. New Zealand: Pazac (Tel) 054-82940. All trade enquiries welcome. UK and Overseas (PAL only).



**YEARNING FOR SOME NEW SOFTWARE?
FED UP WITH YOUR OLD AMIGA STUFF?**

GOOD!

BECAUSE THE **TOTTENHAM COURT ROAD**
COMPUTER EXCHANGE

WILL PAY CASH FOR YOUR UNWANTED SOFTWARE AND HARDWARE
PART EXCHANGE ALSO AVAILABLE - LOTS OF BARGAINS IN STOCK !!!

CALL US NOW ON

071 388 2613

or call in: **143 WHITFIELD ST, LONDON**
(NEAR WARREN ST. TUBE)

HOORAH

OPEN MON-SAT
10 TIL 8

YOU KNOW
IT MAKES
SENSE

Fairwinds PD

Hillcrest Road ■ Rumsam
Barnstaple ■ N. Devon
EX32 9EP

Games

- G101 Crazy Sue
- G102 Super Skoda Challenge +
- G109 Sky Flyer (Good game) +
- G110 Survivor (RPG)
- G121 Moria Adventure (Good)
- G123 Peter's Quest +
- G124 Return to Earth +
- G125 Wizzy's Quest +
- G126 Flashbier (Boulderdash game)
- G127 Lamer Game +
- G128 Battle Force
- G131 Master of the Town
- G137 Dragon's Cave +
- G138 Serene II +
- G139 Castle of Doom +
- G140 Holy Grail (Text) +
- G141 Pom, Pom Gunner +
- G142 Puggles
- G145 Serene III +
- G146 China Challenge II
- G147 Wacko Junior in Wonderland +
- G148 Electric Train Set +
- G149/50 Dungeon Delver (Good) 2 disks
- G160 Assassins 5 Raid, Retaliator, Go Looly +
- G164 Assassins 9 Blizzard, Battlepong +
- G171 Assassins 16 Wastelands, Pacman, Mission X +
- G173 Assassins 18 Omega Race, Skyflyer, Henry in a Panic +

Demo, Animations

- A330/1 X Wing Animation (good) 2 disks
- A332 Iraq Demo
- A333 Puggs in Space
- A334 Fish Tank
- A335/6 Scream Megademo 2 disks
- A337/8 Death Star Megademo 2 disks
- A339 Space Sphere
- A340/1 RSI Megademo 2 disks
- A342/3 RAF Megademo 2 disks
- A344/5 NASA Slideshow 2 disks
- A346 Magician
- A347 Juggette 2
- A348 Probe Animation
- A349 Agatron 25 Red Lotus

Utilities

- U030 Disk Master V.32
- U031 Sid V.2.00 (new) +
- U035 200 Utilities
- U036 Zenon Utilities (75)
- U037 Disk Copy V.2.0 +
- U038 Text Engine V.3.0 (with Spellcheck) +
- U039 Super Killers
- U040 RSI Demo Maker
- U041 RSI Vector Ball Editor
- U042 RSI Vector Object Editor
- U043 RSI Fonts Editor
- U044 RSI Modules 1
- U045 RSI Modules 2
- U046 RSI Modules 3
- U047 RSI Utilities 1
- U048 RSI Utilities 2
- U049 Forms Really Unlimited +
- U050 Fix Disk +
- U051 Opti Utilities 1 +
- U052 Opti Utilities 2 +
- U053 } North C (Programming) 2 disks
- U054 }
- U055 Menu Maker
- U056 Nuke Saddam Killer +
- U057 Text Plus +
- U058 M Cad +
- U059 Med V3.2 +
- U060 Icon Mania +
- U062 Icon Maker +
- U063 Amiga Fox D.T.P.
- U064 Falcon Bootblock Creator +
- U065 Total Utilities (20)

+ = A500 Plus

PRICE

1 - 19 £1.25
20+ 99p

Please make cheques payable to
Fairwinds PD



POST HASTE

ALL PRICES INCLUDE VAT & DELIVERY TO YOUR DOOR

Select any 3 titles valued £7.99 or less and you pay only £20

SOFTWARE

Some of the following games titles are limited offers at the time of going to press. Order early to avoid disappointment. We stock all the latest and currently available titles which we offer at **30% OFF** Recommended Retail Prices

GAMES

1st Division Manager	6.99
4D Sports Driving	7.99
Afterburner	6.99
Altered Beast	6.99
Allen Storm	7.99
Armalyte	7.99
Awesome (Psygnosis)	7.99
Bard's Tale III	7.99
Batman the Movie	6.99
Battle Squadron	7.99
Battlechess	7.99
Betrayal	7.99
Beverly Hills Cop	6.99
Blitzkrieg (1 Mb)	9.99
Blood Money	7.99
Brat	7.99
Budokan	8.99
Captain Fizz (Psygnosis)	6.99
Captive	7.99
Carrier Command	7.99
Centurion Defender of Rome	7.99
Chase HQ	6.99
Chuckie Egg	7.99
Chuckie Egg II	7.99
Colossus Chess X	6.99
Conqueror	6.99
Corporation - Missions	9.99
Deluxe Strip Poker 2	9.99
Double Dragon	7.99
Double Dragon II	7.99
Dragon Ninja	6.99
Dragons of Flame	7.99
F16 Combat Pilot	7.99
FA-18 Interceptor	7.99
Falcon	9.99
Fantasy World Dizzy	6.99
Fire & Brimstone	7.99
Flight of the Intruder	9.99
Flimbo's Quest	7.99
Football Crazy Compilation	12.99
Gauntlet III	7.99
Ghouls 'n' Ghosts	6.99
Golden Axe	7.99
Gremlins II	7.99
Head Over Heels	6.99
Hunter	9.99
Immortal	8.99
Impossible	6.99
Indy Jones - Last Crusade Action	6.99
International Karate -	6.99
It Came From The Desert	7.99
James Pond	6.99
Jet (Sublogic)	7.99
Jet Set Willy II	7.99
Keef The Thief	7.99
KickOff 2 (Main Program)	9.99
KickOff 2 Europe data	6.99
KickOff 2 Giants of Europe data	6.99
KickOff 2 Winning Tactics data	6.99
Killing Game Show (Psygnosis)	7.99
Klax	6.99
Last Ninja 3	7.99
Line of Fire	7.99
Lombard RAC Rally	6.99
Lotus Esprit Turbo Challenge	7.99
Magic Fly	8.99
Magic Garden	7.99
MagiLand Dizzy	6.99

Manchester United	7.99
Manic Miner	7.99
MegaFortress	9.99
Menace	7.99
Midnight Resistance	6.99
Navy Seals	7.99
New Zealand Story	6.99
Ninja Rabbit	5.99
Ninja Warriors	7.99
Nitro	7.99
North & South	6.99
Obitrus (Psygnosis)	7.99
Operation Thunderbolt	6.99
PacLand	7.99
Pacmania	7.99

NEW AMIGA 600
A600.....£275
A600HD...£429

Pang	6.99
Paperboy	6.99
Paperboy II	7.99
Pick 'n' Pile	7.99
Pitfighter	7.99
Populous	8.99
Populous Promised Lands	4.99
Power Drift	6.99
Predator II	6.99
Pro Tennis Tour	6.99
Puffy's Saga	6.99
Puzznic	7.99
R-Type	6.99
RBI Baseball 2	7.99
Rainbow Islands	6.99
Rick Dangerous	6.99
Robocop	6.99
Robocop II	7.99
Rolling Ronnie	7.99
Rugby World Cup	7.99
Shadow Dancer	7.99
Shadow of the Beast	7.99
Shadow Warriors	6.99
Shinobi	6.99
Shoot'emup Construction Kit	7.99
Silkworm	6.99
Ski or Die	8.99
Slightly Magic	6.99
Sly Spy	6.99
Spirit of Excalibur	9.99
Stunt Car Racer	6.99
Super League Soccer	6.99
Super Seymour to Hollywood	6.99
Swiv	7.99
Tetris (Original Version)	6.99
Tie Break (Tennis)	7.99
Total Recall	6.99
Toyota Celica GT Rally	6.99
Treasure Island Dizzy	4.99
Turbo Outrun	6.99
Turrican	6.99
Turrican II	7.99
TV Basketball	7.99
Universal Military Simulator 1	7.99
Untouchables	6.99
Venus the Flytrap	6.99
Viz	7.99
Welltris	6.99
White Death (1 Mb)	6.99
Winning 5 Compilation	7.99
World Championship Soccer	7.99
World Class Leaderboard	6.99
World Cricket	6.99
World Series Cricket	9.99
World Soccer Italia 90	7.99
Xenon II	7.99
Yolanda	7.99
Z-Out	6.99

EDUCATIONAL

ADI English (11/12 or 12/13)	16.99
ADI Maths (11/12 or 12/13)	16.99
Answerback Junior	14.49
Answerback Senior	13.99
Arithmetic (Answerback data)	7.49
Ass. Football (Answerback data)	7.49
Better Maths (12-16)	16.49
Better Spelling (over 8)	16.49
Cave Maze	10.99
Count and Add	16.99
Data World	13.99
Fun School 2 (2-8, 8-8, or 8-)	13.99
Fun School 3 (2-5, 5-7, or 7-)	16.99
Fun School 4 (2-5, 5-7, or 7-)	16.99
Game Set and Match	13.99
Lets Spell at Home	13.99
Lets Spell at the Shops	13.99
Lets Spell Out and About	13.99
Magic Maths (4-8)	16.49
Magic Storybook (1 Mb)	19.99
Maths Adventure	16.99
Maths Dragons	10.99
Maths Mania (over 8)	16.49
Mavis Beacon Teaches Typing	13.99
Mega Maths	17.99
Mickers Crossword Puzzle	17.49

SERIOUS

VIDEO & MULTIMEDIA	
Photon Video (Cel Animator)	7.99
Deluxe Video III	59.99
Aegis Animagic	59.99
Broadcast Titrer 2	174.99
Broadcast Titrer Font Pack	99.99
Broadcast Titrer Font Maker	99.99
AmigaVision	89.99
Showmaker	159.99
Hyperbook	49.99
Scala	174.99
Scala 500	74.99
Director II	79.99
TV Text Professional	89.99
TV Show 2	49.99
Videotitrer 1.5 3D	89.99
WORDPROCESSING	
Scribble Platinum	29.99
Interword	39.99
Final Copy	59.99
Penpal	54.99
Excellence 2	59.99
Protext 4.2	39.99
Protext 5.5	99.99
ProWrite 3.1	54.99
Word Perfect 4.1	159.99
Word Perfect Library	79.99
Wordworth	89.99

PERSONAL FINANCE MANAGER - GRAPHICS

Deluxe Paint IV	59.99
Deluxe Paint II	9.99
Deluxe Photolab	34.99
Spectracolor	57.99
Disney Animation Studio	74.99
Real Things Birds	20.49
Real Things Humans	20.49
Real Things Horses	20.49
Real Things Sea Life	20.49
Real Things Safari	20.49
ProFiles	24.99
Turboprint Professional	34.99
Pixmate	37.99
Butcher	27.99
The Art Department	49.99

HARDWARE

Amiga 500 Basic (1.3)	289
A500 Class of 90's Pack	349
A800	275
A800 With 20Mb Hard Disk	459
A1500 Including Monitor	729
A1500 No Monitor	539
A2000 40Mb H/Disk	899
CDTV	379
10% OFF all CDTV software	
A590 20Mb Hard Drive	279
A590 20Mb H/Drive+2Mb RAM	339
GVP A500.52Mb+8MbRAM(OK)	359
GVP A500 105Mb+8MbRAM(OK)	549
GVP SCSI Controller+8Mb(OK)	89
GVP SCSI 52Mb+8MbRAM(OK)	269
GVP SCSI 105Mb+8MbRAM(OK)	459
GVP SCSI 200Mb+8MbRAM(OK)	829
45Mb to 520Mb Bare hard disks	POA
44Mb Syquest Removable H/Disk	379
Cumana 3.5" External Drive	51
Zydec 3.5" External Drive	49
RF 5.25" External Drive	89
A500 3.5" Internal Drive	45
CBM 3.5" Internal Floppy Drive	119
A800 1Mb Upgrade	37.99
A500 512k Ram Upgrade(no clock)	25
A500 512k Ram Expansion-clock	29
1.5 Mb Ram Expansion	79
Supra 500RX 8Mb RAM (2Mb Pop)	129
Supra 500RX 8Mb RAM (4Mb Pop)	219
Supra 500RX 8Mb RAM (8Mb Pop)	339
A2000/1500 8Mb Ramcard	189
1 Mbyte Simms	22
256kx4 RAM chips per Mb	35
1Mbx1 DRAM chips per Mb	35
AT-Once PC 286 Emulator	229
25Mhz 386SX BridgeBoard	429
Rombo Vidi Pack	99
OpalVision 24bit Graphics	799
Sharp JX100 A6 Col. Scanner	499
Zydec Hand Scanner	99
Power Scanner	99
Genitizer Graphics Tablet	129
Zydec Microswitched Mouse	17
Naksha Mouse-Operation Stealth	20
Itsa Mouse (Microswitched)	12
Mouse Mat	3
50 Blank Disks	25

MUSIC X Jnr

Excellent MIDI Value at an incredible Mini price. **Only £19.99**

The Art Department Pro 2.00	134.99
Kara Anim Fonts 1, 2 or 3	29.99
Kara Fonts Headlines 1 or 2	49.99
Kara Fonts Sub Headlines	44.99
3D MODELLING & RENDERING	
3D Construction Kit	32.99
4D-Professional	199.99
Expert Draw 4D Jnr	47.99
Sculpt 3DXL	84.99
Sculpt Animate 4D	199.99
Vista Professional	69.99
Scenery Generator	32.99
Scenery Animator	59.99
Imagine 2	149.99
3D Professional	349.99
Real 3D Beginners 1.4	119.99
Real 3D Professional/Turbo 1.4	299.99

BE AMONG THE FIRST TO PLAY!!! PRE-BOOKED SOFTWARE

We accept advanced orders for all forthcoming software titles and your order will be despatched on the day of release. Your credit card will be debited also on the same day as despatch!!!

TOP TITLES SPECIALS

Project X, John Madden's Football, Sensible Soccer, Fire & Ice, Jaguar XJ220, Striker, Vroom, Hook, Pushover, Hagar The Horrible, Championship Manager Pinball Dreams, Apidya	£18.99 EACH
Populous II, Epic, Dynablasters, The Games 92, Ishar, Lure of the Temptress, PGA Golf with Courses, Castles, Guy Spy, Premier	£19.99 EACH
Civilisation, Knights of the Sky, Silent Service II, Microprose Grand Prix, A10 Tank Killer Enhanced, A320 Airbus, Leisure Suit Larry 5, Eye of Beholder II, Links Golf	£22.99 EACH
Monkey Island 2, Perfect General	£23.99 EACH

Micro English	17.99
Micro French	17.99
Micro German	17.99
Micro Maths	17.99
Mix & Match	16.99
Paint Me a Story	16.49

Compendium SIX
Kids Type
Weather Watcher
What is it Where is it?
Calendar Quiz
Words & Numbers
Game, Set & Match
Only £29.99

Pepe's Garden	16.99
Picture Book	13.99
Reasoning With Trolls	10.99
Sooty's Fun With Numbers	13.99
Spellbook	7.99
Target Maths	13.99
Things to do with Numbers	13.99
Things to do with Words	13.99
Thomas the Tank Engine	13.99
Three Bears	16.49
World Atlas	44.99
Voyager (Astronomy)	59.99

PROGRAMMING

Easy AMOS	22.99
AMOS	32.99
AMOS Compiler	20.49
AMOS 3D	23.49
Devpac 3	49.99
Hisoft Basic	57.99
Hisoft Basic Extend	14.49
Hisoft Pascal	74.99
MUSIC	
Stereo Master	29.99
Deluxe Music Const. Set	49.99
MidiMaster Midi I/F	19.99
Music X Jnr	19.99
Quartet	35.99
AudioEngineer SoundSampler2	169.99
Bars & Pipes Professional	174.99
Bars & Pipes Int. Sound Kit	49.99
Bars & Pipes Music Box A	49.99
Bars & Pipes Music Box B	49.99
SuperJam	74.99
MISCELLANEOUS	
AREXX	32.99
BAD Disk Optimiser	34.99
Cross Dos 4	29.99
Dos 2 Dos	39.99
Disk Master	39.99
Disk Master II	44.99
FloppyDisk Accelerator Faccll	9.99
GB Route Plus (New Version)	54.99
Icon Paint	8.99
Quarterback 5 H/DiskBackup	42.99
Quarterback Tools	59.99

NEW* Opal Vision *NEW
Stunning low cost 24 bit graphics card with future additions to give many of the Toaster functions such as the quad input switcher, genlock/framegrabber, Roaster Chip for digital video effects and scan rate converter. A must for Desktop Video or high quality graphics. **Superb value at only £799**

You name it... We do it... Just phone and we'll quote... We are faster and cheaper!

PRICES QUOTED ARE SUBJECT TO AVAILABILITY.. SOME OFFERS ARE LIMITED SO ORDER EARLY TO AVOID DISAPPOINTMENT

Cheques/PO Orders to **POST HASTE**, 11a Burgate Lane, Canterbury, Kent. CT1 2HH

TELEPHONE HOTLINE 0227-764204 9.30am to 7.00pm

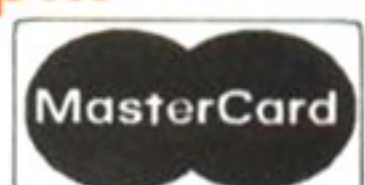
(Answerphone outside normal hours)

VISA, MASTERCARD and EUROCARD orders welcome

Visa, Mastercard, Eurocard and PO Orders are despatched same day!

Please allow up to 4 working days for cheques to clear. Overseas orders add £2.00 postage.

MAIL & TELEPHONE ORDERS ONLY... NO PERSONAL CALLERS PLEASE!





The DCTV is a small black box that plugs into the RGB socket, with a pass through for your Amiga monitor and a composite display.

Although the images can seem quite fuzzy on the screen, this is actually a bonus as it covers any slight degradation of the captured images.



DCTV

Silica Shop ■ £399

A bit of an oddity this and, although it does grab and edit frames of composite video, digitising is not its main function in life. It is in fact a display enhancing device enabling a very good simulation of True Colour on a composite video monitor. The unit plugs into the RGB socket on the Amiga and has a pass through directly to your Amiga monitor. The output from the video-out on the device is sent out to either a composite TV monitor or the video in port of a video recorder.

The software is an entirely integrated suite, so all operations can be performed from within the one program. The package includes paint software for

you to treat and colour your digitised images. The files you create with either the paint or digitise sections can be saved off in a variety of useful formats.

The digitising is very straightforward, and the unit has another lead to plug into the parallel port for sending the images to the Amiga. A full overscan screen can be digitised and then later manipulated in any way that you like. The resulting image can be saved as a normal Amiga file, a DCTV file or even a 24-bit file using a separate program.

OK, so digitising is a very small part of what the DCTV is, but it does do it, and the quality is surprisingly good. Obviously being a composite signal, the boundaries between colours are a little fuzzy. But this actually works in its favour for the likes of TV pictures. Any lack of resolution is covered by the blending together of the pixels on the screen.

Naturally, this doesn't lend itself to very fine

pixel sharp work. DCTV is happiest with a more painterly, sploidy effects. So fuzziness is good, but only in the right sort of pictures. One thing to look out for is the fact that any text in your digitised screen seem a little too soft, affecting the legibility.

DCTV takes us into the '90s where True-Colour 24-bit images are the order of the day. But fortunately for the majority of us, it all of this without the meaty price-tag, which is something that a few other makers of True Colour devices could take a lesson in customer-satisfaction from.



85%



The two units plug into the expansion socket on a 500 or A500 Plus, but they have a pass-through in case you need any external drives or memory.

The image quality in HAM mode is a bit on the chunky side, more so than most other units. It is fast though, so this is a bit of a trade off.



Datel Video Digi 2

Datel ■ £89.99

This is the original Digi on which the Real Time unit was based. And this is a near cousin of the VID1, in that it's an almost real-time mono frame grabber. It's a virtually identical unit to the digitiser unit which comes with the Real Time colour system, but with the absence of the all-important RGB sync-socket at the back.

The software has a row of buttons on which you click to start monitoring the input, and another on which you click to grab the actual image you want. These buttons have clear icons on them so that you can tell at a glance what is going on.

Like the VID1, it also grabs a number of frames preceding the one you want, and it can animate

them if you wish. I still can't figure this out. Why you would want an animated black and white grab from a video anyway? You can't really do anything with it, other than make a demo out of it. There is a small player to play the SEQ files you can save out, for all you budding demo makers out there.

Again the control knobs for input brightness and contrast are at the back of the box, well out of the way – why any serious company else does this I still I don't know. This is so unbelievably silly, because it would be just as simple to bring the dials around the front and put a big plastic knurled knob on the silly spindly little controls. I hope somebody pays attention to this quibble, so that in the next versions of this (and the VID1) the controls are made easier to twiddle without rising from your chair to fiddle around down the back.

The 16-shade grey-scale images are very nice

quality, as good if not slightly better than the VID1 just looking at them, but again the images are at a 256x256 resolution for some reason unknown to me. This can be altered with a menu selection when you save but this course of action does tend to make the images look a little elongated.

The quality is good, as I say, which makes me wonder why the quality of the colour version is so coarse. Grey-scale images are perfect for black and white DTP, and this is a cost effective alternative to a hand-scanner, especially if what you intend to grab and DTP is mostly from video tape.



90%

Datel Real Time

Datel ■ £199.99

This box fits in the expansion slot of an A500 or A500P. This means that, if you have any extra memory in your hard drive, you have to use the pass-through on the digitiser to put it between your Amiga and your hard drive. There are two boxes



The Video Digitiser 2 plugs into the expansion slot at the side of a 500, and the controls are at the back!

which fit together, one is the new version of the VD2, the other is the Real Time colour unit.

On top of the RGB unit are knobs that adjust the levels of red, green and blue, and on the back of the digitiser are the usual brightness and contrast knobs. (I wish they wouldn't put them at the back. Grr.) The two units are chained together by their edge connectors which slot into each other and then into the expansion slot. There is also a flying



The quality of the mono 16 greyscale images is surprisingly high, although an odd aspect ratio.

lead connecting a pair of identical 5-pin DIN sockets which provide RGB sync between the two units.

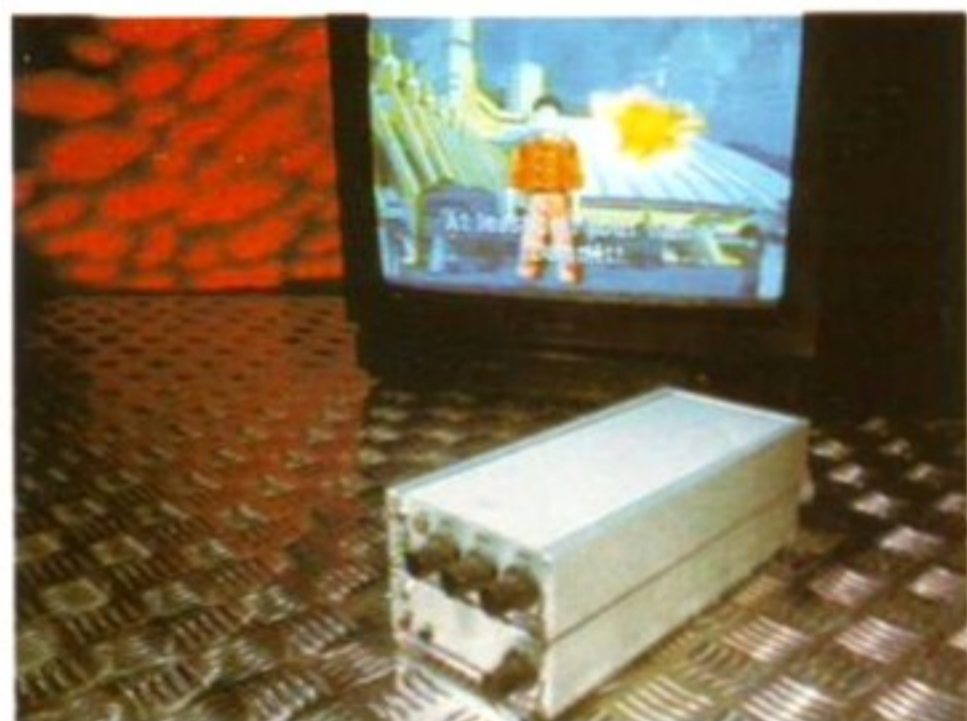
The software has a row of easy to understand buttons down the right-hand side of the screen, and clicking on these activates the unit in a variety of ways: in colour or black and white, in HAM or in a 8, 16 or 32 colours. Each number of colours has another button next to it with a plus added, and this is dithered mode where a simple checkerboard dither is added to the colours to blend the edges a little. The effect is akin to 64 colours in 16-colour mode and 256 colours in 32 colour mode. In fact the whole output is a little bit on the coarse side; and the most annoying thing of all is the aspect ratio change. To compress a full screen picture into the 256x256 space left by the menu, the image is squashed horizontally. Fair quality in HAM, but not up to VIDI standards. Better results are gained by using the 32 and 16-colour modes, although the choices of colours are sometimes way off.



Snapshot RGB and Pro

HB Marketing ■ £499

This comprises two slim silver boxes, which resemble paraphernalia from NASA. After lacing the RGB splitter and the digitiser together with a four-way phone lead, you insert a video feed into line one,



A very professional looking piece of kit, and you'll be needing that degree in electronics to work it out.

and boot the software. The product is German, and it shows. Very efficient design, if a little bit project boxy and hackish looking.

Technically the machine sounds very good, and on paper it seems like a very professional machine. The manual waxes very lyrical indeed about the speed of the chips and the tech spec' of the various processes etc, etc, but when it comes right down to it, the images it produces are not so hot. From a video tape source, at any rate. As with



Nice quality in the HAM pictures from the Snapshot, but the control knobs are bit sensitive and tricky to alter.

almost all the digitisers reviewed, the unit favours working with a video camera and a copy stand in order to digitise photos and other flat media such as magazines.

Basically this is just an up-market version of the VIDI and Datel machines, with a fast black and white framegrabber bolted on to a three-pass RGB splitter, the only difference is that the Snapshot takes its inputs from a range of other sources than simple composite out from a video machine. The software can drive a video recorder remotely from the screen, and there are facilities for black and white animation of frames. 24-bit is catered for, in fact any Amiga IFF screen type is catered for. This is a bit of a strange one; using my home system I can't get the kind of quality that is so easy to achieve using the VLab or the ColourPic. Although it's pitched at the same market as those two it's not as good in my opinion. I'd place it at the high end of the middle market, the three-pass colour jobs. It does the job, but at this price it's pros only.



Digitiser	VIDImono	VideoDigi2	DigiView	VIDicolour	Datelcolour	Snapshot	ColourPic	VLab	DCTV
Mono	●	●							
Three-pass			●	●	●	●			
Real time							●	●	
HAM			●	●	●	●	●	●	●
24-bit			●(21 Bit)		●		●	●	●
Anims	●	●					●		
Parallel port	●		●	●		●	●		●
Internal								●	
Expansion slot		●			●				
Supplier	Rombo 0506 414631	Datel 0782 744707	Silica Shop 081-309 1111	Rombo 0506 414631	Datel 0782 744707	HBM 0753 686000	JCL 0892 518181	AC Scotland 0896 87583	Silica 081-309 1111

We would like to thank Manga Video for their kind permission to use stills from Akira in this article. All images remain copyright Akira Committee. Akira is available on video from Manga/Island World Video on 081-748 9000. Get it, it's very good!

COMPUTAWORLD



Amiga A600

DESCRIPTION

The new super compact Amiga 600 featuring:

- Smart new compact design with built-in TV modulator
- 1Mb chip RAM memory expandable to 2Mb chip RAM with 601, total memory capacity 10Mb RAM
- Industry standard smart card interface PCMCIA interface for memory and peripheral upgrades
- Integrated industry standard IDE (AT) interface, with optional 2.5" 20Mb hard drive
- New Workbench 2 with Kickstart 2.05 ROM
- 12 months on-site warranty for total peace of mind
- The Amiga 600 is available in two versions, single drive and 20Mb hard drive
- FREE at home service

LATEST A600HD EPIC/LANGUAGE LAB

- Amiga 600 Computer with 20Mb Hard disk
- Trivial Pursuit - 3 language version (Domark)
- Epic (Ocean)
- Rome (Millenium)
- Myth (System 3)

Please telephone for price. Includes free 12 month warranty. Free next day delivery

New Amiga A600 £279.00

New Amiga A600 HD £429.00

BOTH MODELS INCLUDE 12 MONTHS ON-SITE WARRANTY, VAT AND FREE NEXT DAY DELIVERY (UK MAINLAND)



STAR PRINTERS

LC 20 Mono.....	£139.00
LC200 Colour.....	£190.00
LC24-200 Mono.....	£218.00
LC24-200 Colour.....	£275.00
SG 48 Ink Jet.....	£226.00

Telephone for any other Star printer price

DESCRIPTION

The Amiga A1500 Pack

The NEW Commodore Amiga 1500 Pack features a 7.14MHz 68000 processor with 1Mb RAM as standard (expandable to 41Mb via expansion cards). It includes two 880K 3.5" floppy disk drives and can support PC emulation by an XT/AT bridgeboard or ATonce Plus. The Amiga 1500 contains 3 co-processors (Denise, Agnus, Paula) to enhance sound, graphics and animation. It also includes 9 internal expansion slots. Interfaces include: Parallel - Centronics, Serial - RS232, Video - RGB Analogue, RGB Digital and mono Composite, Right and Left Audio, 2 x Mouse/Joystick controller ports and an external drive port. It also includes a multi-tasking WIMP operating system, a colour palette of 4096 colours, high quality stereo sound with 4 channels and 9 octaves and text to voice synthesis. This package does not include a hard drive and is available with or without a monitor.



Amiga A1500

LATEST AMIGA 600 PACK

Amiga 600 - The Wild, the Weird and the Wicked

- Amiga 600 Computer
- Deluxe Paint III (Electronic Arts)
- Grand Prix (Microprose)
- Putty (System 3)
- Pushover (Ocean)

Please telephone for price. Includes free 12 month warranty. Free next day delivery



DESCRIPTION

Philips 8833 MKII 14" Colour Monitor

- 0.42mm Dot Pitch
- Analogue and RGB Inputs
- Controls for: Volume, Brightness, Contrast, Green Switch, Horizontal Shift, On/Off
- FREE Amiga-cable included
- FREE F19 Stealth Fighter Software

Philips Monitor £199.00

Inc FREE next day delivery

Amiga 1500 Starter Pack Monitor not included **£549.00**

Amiga 1500 As shown with 1084 Stereo Colour Monitor **£758.00**

THESE ARE ONLY A FEW PRODUCTS WE STOCK. CHECK OUR PRICES ON ALL AMIGA PRODUCTS BEFORE YOU BUY, WE WILL NOT BE BEATEN



DESCRIPTION

Commodore 1084S 14" Stereo Colour Monitor

- 0.42mm Dot Pitch
- Analogue, RGB, Digital RGB & Composite Video Inputs
- Controls for: Centring, Height, Contrast, Brightness, Colour, Volume, On/Off
- Amiga Cables Supplied

Commodore Monitor £199.00

Inc FREE next day delivery



STANHOUSE ENTERTAINMENT

WISH ALL OUR CUSTOMERS A MERRY XMAS AND A HAPPY NEW YEAR



COMPUTERS

INCL: 1Mb, internal drive, DPaint III
A game and one year's on-site warranty **A600**
£279.99

AS ABOVE, also includes 20Mb Hard Disk, no software **A600 HD**
£464.99

A570 CD ROM DRIVE **£325.00**

CONSOLES AND HAND HELDS

LYNX (no game)£73.40
GAMEGEAR (no game).....£90.00
SEGA MASTER SYSTEM II+£90.00
SEGA MEGADRIVE.....£116.00

DOT MATRIX PRINTERS/LASERS

PANASONIC

KX-P1124i - 24 pin, 80CLM£220.00
KX-P2123 - 24 pin, 80CLM£239.99
KX-P2624 - 24 pin, 136CLM£349.99
KX-P4430 - Laser, PPM£749.99

SEIKOSHA

SP2400 - 9 pin, 80CLM£148.99
SP2415 - 24 pin, 80CLM£230.00
LT20 - 24 pin, 80CLM£234.99
SL230 - 24 pin, 136CLM.....£447.00
OP104 - Laser, 4PPM, 0.5Mb.....£730.00
OP108 - Laser, 8PPM, 1Mb.....£1060.00

MEMORY SHOP

A500 2Mb£107.99
A500 4Mb£178.99
Power 1.5Mb (A500)£82.99
A500+ 1Mb£44.99
A600 1Mb and Clock.....£45.00
A600 1Mb without clock.....£38.00

GAMES

Covert Action£24.99
Epic£18.50
Guy Spy£21.00
Hudson Hawk.....£18.50
John Madden Football£18.50
Megatraveller 2.....£21.00
Pacific Islands£21.00
Robocop 3£18.50
Sim Ant.....£24.99
The Manager.....£18.50
Ultima VI£21.99
Utopia - New Worlds£10.50
WWF£18.50
Willy Beamish£24.99

WE HAVE TOO MANY GAMES TO LIST.
PLEASE RING IF YOUR GAME IS NOT LISTED

SERIOUS SOFTWARE

PROGRAMMING

AREXX£25.99
Hisoft Devpac 3£43.99
Lattice C V5.x.....£143.99
Hisoft Basic.....£37.99

MUSIC AND SOUND

Audiomaster 4£45.00
Bars & Pipes.....£110.00
Bars & Pipes Pro£188.00
Copyist Apprentice£67.50
Deluxe Music Con. Kit.....£44.99
KCS Level II 3.5£189.99
Midi Interface£18.99
Megamix Master£29.50
Super Jam£67.50

GRAPHICS/VIDEO

Art Dept Pro V2+£123.00
Caligari 2£219.99
DPaint 4.....£56.50
Director V2£62.99
Imagine V2.....£172.50
Take 2£31.50
Vista Pro V2+£62.99
Introcad Plus£64.00
Broadcast Titler 2.....£160.50

BUSINESS

Arena Accounts£73.00
Excellence V3£50.50
Home Accounts 2£34.99
Homebase.....£18.99
Gold Disk Office£104.00
Day-By-Day£18.99
Pagestream V2.x£135.50
Pagesetter 2£37.99
System 3.....£37.99
Superbase Personal 2.....£43.99
Scribble Platinum£31.50
Wordworth V1.14.....£83.00

THIS IS JUST A SELECTION OF OUR
SERIOUS SOFTWARE, PLEASE RING
IF YOU CANNOT SEE WHAT YOU WANT

VARIOUS HARDWARE/ ACCESSORIES

External Supra Modem 2400+ ..£111.00
Aminet£46.50
Digiview Media Station£118.00
Itsa Mouse£9.99
Complete Colour Solution£129.00
Speakers£30.50
Trackball£24.60
DCTV (PAL).....£430.00
Unbranded Disks.....each £0.40
Power Scanner£82.99
A500 Power Supply.....£39.00
Perspex Dust Cover.....£7.99
Action Cartridge Super IV£49.99
Anti Click Board.....£8.99
PC286 Emulator£250.00

(0244)
382435

FLOPPY DISK DRIVES

Cumana CAX 354, ext 3.5"£53.00
Cumana CAX 1000s, ext 5.25"£96.00
Power PC880B£62.99
Power Dual Drive£110.00

HARD DRIVES

A600 IBM 40MB Int HD.....£250.00
A500 Supra Drive, 52Mb HD
+ 1Mb RAM.....£360.00
GVP Impact Series II,
52Mb HD£299.00
Cumana, COM40HC, Ext
42Mb HD£400.00
GVP Series II 120Mb A500HD....£510.00

PLEASE RING FOR DETAILS
ON MORE DRIVES

THE MIRACLE PIANO

THE HARDWARE:

Midi keyboard, full size touch sens keys sustain pedal for true sound.

SOFTWARE FEATURES:

Classroom, 8 track recording studio performance hall and practice room

MIRACLE piano acts as a music teacher for playing and reading music. Miracle analyses every note you play, teaching at your pace, explaining any problems you might have, giving extra special exercises to overcome these problems.

MIRACLE IS THE ONLY ONE OF ITS KIND

As featured on Jim'll Fix It, Tomorrow's World and Radio One's Steve Wright Show. **£225.00**

POSTAGE AND PACKING RATES

ALL ORDERS UNDER £100 ADD £1.50
ALL ORDERS OVER £100 ADD £2.50

PLEASE ALLOW 10 DAYS FOR DELIVERY
PLEASE PHONE IF YOU NEED IT SOONER

HOW TO ORDER

ALL PRICES INCLUDE VAT. PLEASE ADD POSTAGE CHARGE TO YOUR ORDER.

MAKE CHEQUES/POSTAL ORDERS PAYABLE TO 'STANHOUSE ENTERTAINMENT' AT 2 UPTON DRIVE, UPTON, CHESTER CH2 1BU

All prices correct at time of printing. Prices subject to change without notice.

If you can't see what you are looking for, then please ring (0244) 382435

ELITE CHEAT
Startronics 001

TOOL



Some of the artwork included as an extra on this twin disk pack is quite atmospheric, if not terribly well done.

What! Surely by now everyone knows the cheat for *Elite*? Well, maybe, but it's not exactly easy to use. The idea is to enter the correct name for your commander (the name varies from version to version) and then you can access a cheat screen. But, the only trouble is that entails entering the right byte value into the right place. This two disk licenceware release helps out a lot. For one thing, one disk contains 20 preset super commanders for you to load and play with. No more endless blasting to get all the extra equipment or play the special missions.

In addition, the other disk contains a full low down on how to make your own cheat commanders, for those who want to get their hands dirty. It's very comprehensive, although it doesn't seem to mention how you edit your position in the game. For those who need to cheat, this is a must. Personally, I reckon the game's not much cop without all the hard work needed to build up a weak commander – but if you must, get this.

ALPHAGRAPH
NBS (CLR)

TOOL



Although *Alphagraph* is rather confusing, at least most options can be selected by pointing and clicking.

Paul McKnight has put together quite a nifty little graph drawing program. Just select the type you want (3D or 2D bar, pie or exploded pie chart) and input the data. Next thing you know a graph is plotted, and can be printed out. There are a lot more options for tidying up the graph, like labelling the x and y axes.

Although the documentation for this program is rather sparse, it is quite easy to use when you have tried it out a few times.

The more exotic options include keeping one or two graphs in memory with which you can compare a third. Although more confusing than say *MultiPlot* for experienced Amiga users, *Alphagraph* is quite a good choice for the occasional plotter.

PD Update

Ever more releases continue to push the Public Domain in different directions. **Pat McDonald** names a few of the more noteworthy programs to hit the scene.

SAS MENU MAKER V1.0
VIRUS FREE PD CLUOS

TOOL



Although of limited use, *SAS MenuMaker* does take some of the sting out of making your own PD compilation disks.

First off, this has nothing (directly) to do with programming in Lattice C. It was written by a team of two, namely Grim Reaper and Druid of the SAS coding crew. It's a program for designing your own disk 'front ends' to click on with a mouse, in the same vein as *Get Set Go!*, *MenuMaster* and similar programs. So you boot a disk, click on an option and voilà.

It's easy to use, and quite capable. You can set up to 30 buttons on screen – when these are clicked on a relevant CLI command runs. You can have a graphic logo at the top of the screen as well. Although slightly fussy (version 2 is now being written) you can do things other programs do not permit, such as rearrange the position of the buttons on screen. The resulting menus are also fairly compact on a disk, so if you're doing a self-booting disk stuffed with programs, this could help set it up. Although it is licenceware, the system used to run menus is freely distributable. I expect to see a lot of people using this for their PD disks.

CYBERNETIX
NBS G295

GAME



Sadly, the best part of *Cybernetix* we can't show – the ultra-fast movement and the cranked up chip sounds.

Very playable, this game. *Cybernetix* is similar in style to *Defender* and *Stargate*, but uses larger graphics. The result is a solid destruction game which looks pretty as well. It is shareware (the fee is £5) and was written by Paul Andrews, Rodney Smith and Blair Zuppich of Vision Software in Australia. The same crowd who did the highly acclaimed *Microbes* game.

In this game you flit around in a sexy star fighter, blasting aliens into space dust. Large asteroids must be blown up, which once hit change into smaller asteroids, which in turn must be blown up. Sometimes they release blue sparks, which you can trade with your opponents for weaponry power-ups.

It's fast (well, so long as there's not too much on the screen) and scrolls smoothly. Miss it at your peril, because like *Llamatron* it's got short-term appeal for the poorly coordinated, but long-term appeal for true alien annihilators. Great fun!

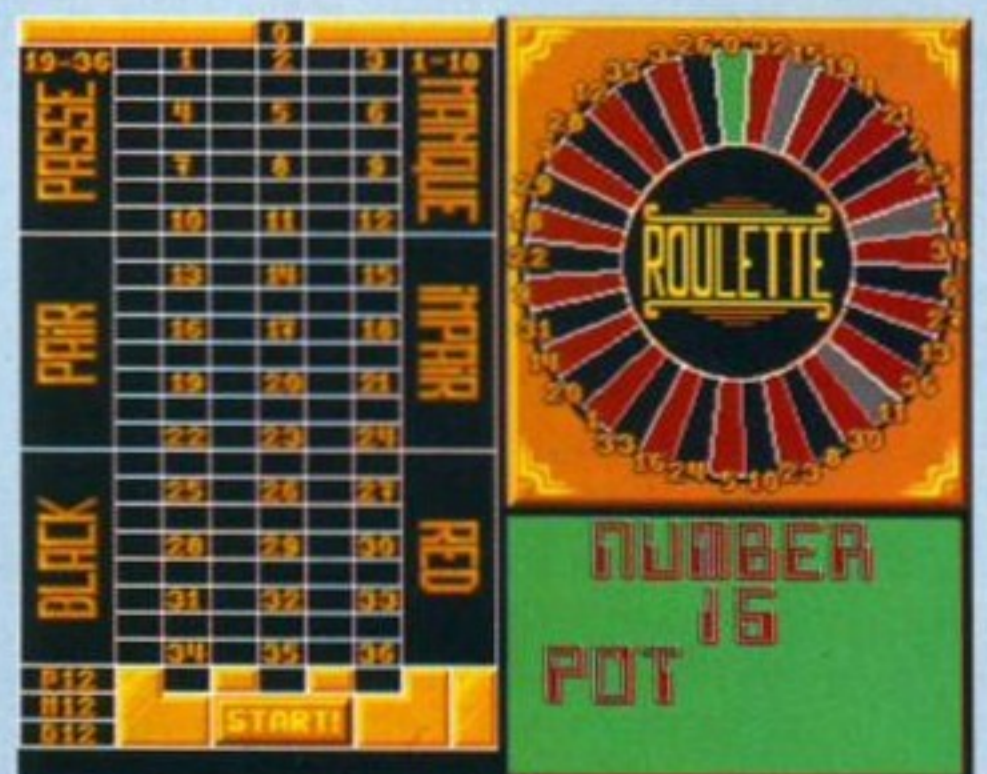
Continued on Page 200

ROULETTE
17 BIT 2139

Ever wanted to play on a roulette wheel, but never had the cash or nerve? I must admit I've never had a spin myself, but this certainly seems to have most of the features of the real thing.

A roulette wheel has 37 different partitions, from zero to 36. You can either bet on a specific number coming up (a very risky proposition) or on general things, such as black or red, odd or even, high or low.

The great leveller is that every time the ball ends a spin on zero, all bets are collected by the house. Thanks to Calibra, the coders, everyone can now find out what a sucker's game roulette is. The best part is that you won't lose any real money. Think you can break this bank? I doubt it.



Place your wagers. The only certainty is that with *Roulette* you will lose, sooner or later.



ADVENTURE and DANGER in this month's Mountain Biking UK

- **Bungee Jumping** – on a bike!
- **Testing** Waterproof gear – with a fire engine!
- **News** – about the Nationals
- **Plus** – Adventure in South America
- **FREE POSTER** with every issue

Mountain Biking UK

This and loads more action for only £1.95
Britain's best-selling bike magazine

October issue on sale September 24

MBUK is produced by
Future PUBLISHING

Educational Software



The Connoisseur's Choice

If you are looking for software to help with the National Curriculum, then look no further. Our new free catalogue is packed with programs suitable for all ages from six to adult on a wide range of educational and leisure subjects.

Subjects now available include ...

- | | | |
|----------------|----------------------|--------------------------|
| Maths | Geography | Sport |
| French | History | First Aid |
| German | English Words | General Knowledge |
| Spanish | Spelling | England |
| Italian | Arithmetic | Scotland |
| Science | Football | Natural History |



- ★ Available for most home & business computers
- ★ Best-selling programs with superb reviews
- ★ Ask your dealer or use our 24 hour mail order service
- ★ Many programs allow you to add your own lessons
- ★ Enjoy learning from your computer

Write or telephone for our new FREE 16-page colour brochure of Educational and Leisure software (Please state computer type)

Kosmos Software Ltd, FREEPOST (no stamp needed)
DUNSTABLE, Beds. LU5 6BR
Telephone 0525 873942 or 875406



TEL 0924 366982
FAX 0924 200943

The No 1 Force in Amiga PD!

Disk Prices

FISH, 17-BIT, T-BAG £1.19
CLR £1.50
SCHEME 17 £1.75

From November 17-Bit Disks will be £1.25 each.

1 FREE DISK WITH EVERY 10 YOU BUY!

Back Catalogue commercial games available at BARGAIN PRICES

ORDERING DISKS

ALL MAJOR CREDIT CARDS ARE TAKEN. OPENING TIMES ARE
MON - THURS 9 am - 8 pm
FRI - SAT 9 am - 5.30 pm
PLEASE MAKE CHEQUES AND POSTAL ORDERS PAYABLE TO
17 BIT SOFTWARE
OUR ADDRESS IS
1st Floor Offices, 2/8 Market St
Walsfield WF1 1DH (Dept AF)
TELEPHONE (0924) 366982
NOW 2 LINES

Foreign orders (add 25% Minimum £1)

Postal charges as follows

1 - 9 Disks 50p
10 - 19 Disks 75p
20+ disks £1

please don't forget to add the right amount.

GAMES GALORE 1 TO 12

The complete Gary Henderson Game Compilation, includes:- Subattack, Cardsharp, Pipeline, Skyfight, Weltrix, Tron, H-Ball, Frogger, Othello, Asteroids, Bouncer, Space Ace, Cave Runner + Many more.
IN FACT OVER 100 GAMES FOR ONLY £12.50 INCLUDING POST + PACKING. A PD GAMES COMPILATION THAT DEPIES REALITY IN ITS TOTAL VALUE FOR MONEY FACTOR

OVER 100 GAMES

AMIGA NO 7 (MUSICIANS MAG)

Packed with features
No musically minded person should be without it ...
ONLY £2.50 per issue

NEWSFLASH 26 (3 DISKS £6.95)

EUROPE'S LEADING DISK MAG
FEATURES:- LOGO MAKER, POWER PLAYER, GREAT GAMES AND UTILS. MEGA!

AMAZING PD FROM 17-BIT SOFTWARE

MEGA Recommended CLR	MEGA
CLE01.....Dinosaurs (4.00)	
CLE03.....Solar Systems (£4.50)	
CLE05.....A Chord (Guitar Tutor)	
CLE08.....Night Sky (£3.50)	
CLG05.....Truckin On 2 (5.00)	
CLG06.....Obliterator (£3.50)	
CLG09.....Dragon Tiles (£3.50)	
CLG10.....Future Shock (£3.50)	
CLG04.....X-System (£3.50)	

+1739
Superkillers 2
the essential
virus killer
disk

+2130
AIRPORT AIR
TRAFFIC
CONTROL
GAME

ODDS & ENDS

+1891AB.....Grapevine 9	
+2043ABC.....Grapevine 10	
+2134AB.....Grapevine 11	
2133.....Farts + Belches	
2131.....Sickness Sim	
+2119.....Raw Issue 3	
+2118.....Deadlock Issue 3	
+2045.....Poo Folk Jokes	
+2018.....Bits + Bats 2	
+1901.....Purity Test	
+1759ABCD.....The Bible	
+1633.....Graphics Tutorial	

RECOMMENDED DISKS

+2042.....Protracker 2.2	
+2050.....Order V1.7	
+2059.....Dimmaster	
+2060.....Escape V2.2 (Game)	
+2061.....RPG Creator	
+2063.....Classical Music	
+2082.....Mortgage Calc	
+2085.....Card Games	

UTILITIES

+1405.....Amiga Fox	
+1654.....Amibase Pro 2	
+1765.....Game Tamer	
+1775.....Ed Word	
+1796AB.....C64 Emulator	
+1804.....Slideshow Gen	
+1811.....Edit Keys	
+1813.....Over 200 Utils	
+1822.....Electro Cad	
+1828.....Form Creator	
+1832.....Fortran Compiler	
+1835.....Pools Predictor	
+1848.....Radbench	
+1857.....Icons Galore	
+1867.....Sid 2	
+1909.....Free Paint	
+1910AB.....Windows Bench	
+1918.....Turbo Mandelbrot	
2023.....Word Power	
2115.....NIB V2 (Copier)	

THAT BIT BETTER THAN THE REST



NEW PD IN STOCK

+2190.....Scopious Mapper V2.0	
2189.....A500+ Emulator	
2188.....E-Type 2 (Game)	
+2187.....Starcat 2 (Cat Maker)	
+2186AB.....Stolen Data Disk Mag	
+2185.....Silverblade (Shoot em up)	
+2184.....Matrix (Game)	
+2183.....Cyclic (Nice Pics)	
+2182ABCD.....Final Frontier 3	
2181ABC.....Final Frontier 2	
2180.....Palace Music Disk	
+2179AB.....Psyche music (Brill)	
+2178.....Med Instruments	
+2177.....Felix Remix	
+2176.....Crossmaze	
+2175.....Plus Issue 14	
+2174.....Klaktris (Great Game)	
+2173.....Assassin Game Preview	
+2172.....Dolphin Dreams (Anim)	
+2171.....Assassin's Games Vol 30	
2170.....Absolute Vector Demo	
+2169.....Gods Mega Demo	
+2168.....Genocide Demo	
+2167 Satanic Rights 2 (Disk Mag)	
+2166.....Crack Inc BBS intro	
+2165.....Suspect Immoral Vision	
+2164.....LSD Total Kaos (Techno)	
+2163.....Games Galore 12	
2162.....Cybernetix (Great Game)	
+2161.....Silents Maximum Velocity	
2160.....Quartz Dynamic Elutions	
+2159AB.....Red Sector Time Zone	
+2158AB.....Zalycon (2 Disk Game)	
2157AB.....Heat Beat Music	
+2156.....Top Secret (Game)	
+2155.....Cyclist Anim	
+2154.....Address Print V2	
2153.....Anarchy Deja-Vu (Demo)	
+2151.....Back From The Beech (18)	

UPDATE 27 OUT NOW ALWAYS PACKED WITH THE LATEST IN PD COMPILED BY M WILSON £1.50

ALL NO'S WITH A+ ARE PLUS OK!

PORT ONE P.D.

26 Hen Lane, Holbrook's, Coventry CV6 4LB
Telephone: (0203) 680016

1-10 disks £1.20 per disk 11-20 disks £1.10 per disk 21-50 disks 95p per disk.

Catalogue disk 75p. Please add 50p p&p per order.

Disk magazines Bargain Pack

Grapevine, 6, 7, 8, 9, 10 and 11. 10 disks £9.00

Education Bargain Pack

Colour It, Learn & Play, Educational Graphics, Kids Paint, Treasure Search, Simon & Space Maths. 7 disks for £6.50

Business Bargain Pack

Amicash, Business Card Maker, Amifox DTP, Print Studio, Text Engine WP, Forms Unlimited, 600 Business Letters, Print Master Plus. All these disks are Plus compatible.

100's of Utilities, Demos, Music, Games and Slide Shows.

Full backing from T.N.P.D. Swansea.

DIGITALLY MASTERED SAMPLES IFF SOUND SAMPLE LIBRARIES



Each disk is compiled from a studio quality master and is sampled on the Amiga at twice the sample rate of P.D. sample disks. They are compatible with all P.D. and commercial tracker and sequencer programs. N.B. no. of samples in brackets

001 AFRICAN	Talking drums, Marimbas, chants etc (53)	014 BASS GUITARS	Slap, picked, fretless, FX etc (44)
002 INDIAN INST	Sitars, Bansuri, Chants etc (19)	015 ANALOG BASS	Oberheim, Roland, Korg etc (22)
003 INDIAN PERC	Tabla, Bayas, Rhythm Loops etc (35)	016 DIGITAL BASS	Yamaha DX, Roland, Korg etc (28)
004 ARABIC	Ud, Saz, Bendir, Rhythm Loops etc (37)	017 BRASS	Sections, Saxes, Trumpets etc (24)
005 FAR EAST	Tibetan Bells, Yangqin, Koto etc (31)	018 SYNTH BRASS	Analog, Digital & L.A. etc (18)
006 EUROPEAN	Balalaika, Chords, Bodhran etc (34)	019 PIANOS	Octave Splits, with strings, FX (16)
007 OCEANIA	Didjeridu, Chants, Silt Drum etc (23)	020 STRINGS	Cello, Orch, Hits, Sections etc (21)
008 AMERICAS	Kena, Berimbau, Pan Pipes etc (30)	021 SYNTH STRINGS	Analog & Digital (19)
009 FX PERC	Power Toms, Snare & Bass, Scratch & Rap (88)	022 CHOIRS	Mixed Choirs, with Bells & Synth (16)
010 DRUM KIT	Bass & Snare, Hi-Hats, Cymbal & Toms (63)	023 ORGANS	Church & Electric (17)
011 ANALOG PERC	TR-808 CR-78, Loops etc (30)	024 BELLS	Real & Synth, with Choir & Strings (20)
012 LATIN PERC	Timbales, Congas, Cabaças, Cowbells etc (107)	025 SOUND FX	Action Sounds, Explosions, Gunshots etc (30)
013 GUITARS	Acoustic, Electric & Distorted etc (41)		

Each disk is priced at £2.50, any 10 for £19.95, the Complete Collection for £49.95. In addition, Sampler owners can use our Digitally Mastered Chrome, Metal, or DAT sample Cassettes which contain most of the above samples: COO1 WORLD MUSIC COLLECTION (175)

COO2 PERCUSSION COLLECTION (228)

COO3 GUITARS AND BASSES (161)

Each Chrome £9.95, Metal £11.95, DAT £16.95

The Three Collection Package is priced at:

£21.95 (Chrome) £25.95 (Metal), £38.95 (DAT)

P&P £1 (any order) Cheques & P.O.s to:

WALKABOUT MUSIC (Dept AF)

TRENOVISSICK FARM, THE MOUNT. PAR.

CORNWALL PL24 2DA

Tel (0726) 813807

AMOS CRICKET

17 BIT 2022

It had to happen, I suppose. A half-decent cricket game has finally shown up on the Amiga PD scene. It doesn't look amazing, but it plays very well. Paul Robson obviously spent time thinking about how this should play before putting finger to keyboard.

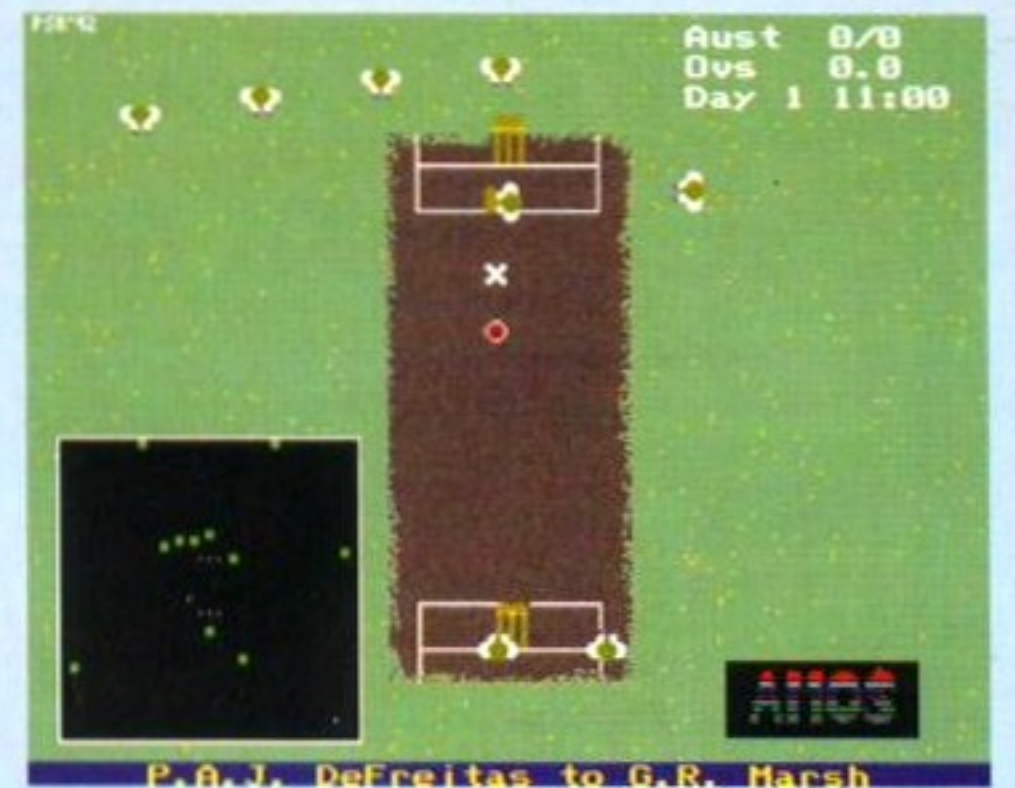
This is a shareware release – you can do everything with it as in the full version. It's preset to be a five-day match between England and Australia, but you can alter the teams, the game length and even the pitch. You can't save them to disk, though, without the registered version.

Playing *AMOS Cricket* is fairly simple, assuming you know how the real game works. Batting is controlled with a joystick, while bowling is achieved by pointing and clicking with the mouse.

You can set the bowler to automatic if you want (it is rather dull to point and click at the same spot all the time) but by varying the aim-point you soon discover your bowler's strengths and weaknesses.

OK, so it looks dull. Another downpoint is the registration message – to get rid of it and keep playing the game, you have to click on a sequence of on-screen boxes. That's easier said than done if your mouse buttons have too much bounce and not enough click.

But I still like playing it. I'm not a great cricket fan, but this is fun and not too simple. Good cricket games are few and far between – and for a £4 registration fee, you get one of the best, without the silly messages and with a save-game option.



Batting is much more difficult than bowling in *AMOS Cricket*. Scoring runs is a fine art.

DEADLOCK 3

RAPIER

MAG



One of the few pages which we can actually show you without fear of upsetting anyone. Not for the squeamish.

This is a rather good disk magazine, in a similar vein to *LSD Grapevine* but subtly different. The way in which it works is much prettier than *Grapevine*, but it takes a while to work out what the colourful icons do. Also, the language (while still salted and peppered with obscenities) is at least spelt correctly for the most part.

Deadlock only comes on one disk, so there's not as much as you'll find on *Grapevine*. But the variety of subjects is pretty good – from Nobby's Plimsoles to Spoonbending with Mr Nude. More serious articles are available on preventing rippers from working, HST modems and a tutorial on how the CIA chips work, to name but a few.

This is a good (if highly immature) read. It's obvious that a lot of care and attention has gone into making it simple to use. Well done Dimension X, R9 and Punisher (the people responsible).

NIGHTSKY

NBS (CLR)

TOOL



One confusing part of *NightSky* is that the constellations are abbreviated to three letters. It's hard on novices.

This one's for astronomers – people who study the stars for themselves, rather than trying to predict the future from them. You input the date, year and time, and also the position of Earth from which you're observing and the computer generates a view of the night sky from that position.

Also included are a number of refinements – you can turn the constellations on and off, track the movements of any planets in view (planets don't move like stars) and also zoom into the night sky, to get a similar view as seen through a telescope or binoculars.

NightSky is very similar in concept to *Distant Suns*, and although the latter program undoubtedly has more heavenly bodies in the views, *NightSky* is dead handy for finding your way around the stars. It works with southern skies as well!

Congratulations to John Brian – this is one of the more useful (if limited) AMOS programs I've seen for a while. Now when you notice a meteorite about to hit planet Earth and end civilisation as we know it, you'll be able to say roughly where it was.

LEGEND OF LOTHIAN

ANGLIA ADV1-5

GAME



Weapons and armour are vital in order to stay alive in *LOL*. Serious monster hacking is involved.

This is a graphic adventure game. Although crude by today's standards, it's slightly similar to the very first *Ultima* games. The play area is a small square section of the screen, where you can see your main character moving around a flat landscape.

You start the game as a simple shepherd, but you soon leave your flock to sort out the troubles of the land of Lothian. This is the playing area and it has towns, castles and ruins dotted along the way. Combat is frequent, with nasties leaping at you every few steps.

There is a plot to this game. The old king has had a spell cast on him, which prevents him waking from a dreamless sleep. Without the king, the land is gradually falling apart. So the main task is to catch up with the wizard who did the evil deed and do away with him.

Although designed to be keyboard controlled, the author (David Meny) has made the mouse capable of doing nearly everything. This makes the game slightly easier to play and so more enjoyable. The plot of completing various tasks to get further into the game has been well thought out, with one exception. Don't give the mirror to Lord Forlorn until you have the unicorn!

The other things that let the game down are the naff graphics and the appalling amount of slaughter and game saving necessary. But it is fun and quite challenging, though not terribly big. However it is one of the best graphic adventures I have seen.

TOP 10 DEMOS OF THE MONTH

Every month we print a chart of the top 10 demos from a popular PD library. This month it's the turn of...

NBS

1.	Sid 2 MultiDOS	PU 207
2.	Text Engine 3.4	U 723
3.	Benchmaster	U 701/2
4.	Typing Tutor	CLU 03
5.	D Copy II	U 721
6.	Captionator	PU 215
7.	PC Task	PU 205
8.	MS DOS Utils	PU 206
9.	Soundtracker 2.6	PT 021
10.	Superkillers	PU 117

WHERE TO GET THE DISKS IN THIS ISSUE

17 Bit Software: 1st Floor Offices, 2/8 Market Street, Wakefield, West Yorkshire WF1 1DH. 0924 366982

Amiganuts United: 169 Dale Valley Road, Hollybrook, Southampton SO1 6QX

Anglia PD: Anglia House, 115 Ranelagh Road, Felixstowe, Suffolk IP11 7HU. 0394 283494

Choice Software: 144 London Road, Highfields, Sheffield S2 4LT. 0742 555894

NBS: 1 Chain Lane, Newport, Isle of Wight PO30 5QA. 0983 529594

Rapier International: 111 Sherborne Road, Bushbury, Wolverhampton, West Midlands WV10 9EU

Startronics: 061-370 9115

Virus Free PD: 31 Faringdon Road, Swindon, Wiltshire, SN1 5AR. 0793 512321

WE ARE OPEN ALL HOURS

9am-10pm Mon-Sat
10am-6pm Sun

HARDWARE

A600	£379.00
A500 Plus & Software	£349.00
A1500 & Software	£565.00
1084S Monitor	£237.00
GVP series 2, Hard drive 52 Meg	£350.00
1 Meg sims	£20.00

Phone for 2000 & 3000 prices.

JOYSTICKS

Quickshot II	£6.50
Python Micro Switched	£8.00
Speedking Autofire	£10.50
Competition Pro 5000 Black	£11.90
Maverick Autofire	£12.95
Zipstick Autofire	£12.95
Intruder	£21.50
Aviator Flight Sim	£23.50
Jet Fighter	£12.99

LOOK! LOOK! LOOK!

TRACTOR FEED DISK LABELS
500 plain white labels & software to print your own professional labels
Only £9.95
SPECIAL OFFER
1000 labels with software **£13.50**

ACCESSORIES

Amiga Int drive	£49.00
Cumana Ext drive	£54.00
Zydec Ext drive	£49.00
512K upgrade with clock	£27.90
512K upgrade no clock	£24.90
1.5 Meg upgrade with clock	£79.00
1 Meg Amiga plus upgrade	£48.99
8 Meg fast ram, 4 Meg populated	£169.00

DISKS with labels

Unbranded Bulk 100% Certified	
3.5" DSDD	37p each
3.5" Rainbow	44p each
3.5" DSHD	50p each
5.25" DSDD	28p each
Branded Disks	
3.5" DSDD	45p each
3.5" Labels per roll of 1,000	£6.50
3.5" Tractor feed per 1,000	£8.50

Please phone for bulk purchase discounts

MISCELLANEOUS

Mousehouse	£1.60
Mouse Mat	£2.50
Disk Drive Cleaner	£1.80
Amiga Dust Cover	£3.50
Monitor Dust Cover	£3.50
Mouse/Joystick Auto Shift	£14.95
Amiga Light Pen & Software	£32.00
Optical Mouse	£32.00
Squik Mouse	£14.90
Naksha Mouse & Accessories	£22.00
Zy-Fi Amplifier & Speakers	£37.95
Thumb & Finger Trackerball	£19.99
Crystal Trackball	£32.00
Action Replay Mark III	£57.00
Techno Sound Turbo Sampler	£32.00
2 Piece Printer Stand with tray	£5.70
Midi Master	£26.00
Wordworth 1.1	£77.50
Tilt/Turn Monitor Stand	£8.50

PRINTERS

Star LC-20	£149.00
Star LC 24-10	£214.00
Star LC200 Colour	£204.00
Star LC-24-200 Colour	£294.00

STORAGE BOXES

10 capacity	£0.95
NEW 200 Cap box stackable/lockable	£16.50
50 capacity lockable	£3.95
100 capacity lockable	£4.50
80 cap Banx stackable/lockable	£7.99
150 cap Posso stackable/lockable	£15.00
250 cap stackable/lockable	£18.99

Most of the above available in 3.5" and 5.25"

Orders by phone or post to:
DIRECT COMPUTER SUPPLIES
0782 - 642497 9am - 5.30pm week
0630 - 653193 Evening/Weekend
0782 - 311471 Anytime

54 Spring Road,
Longton,
Stoke-on-Trent,
Staffs ST3 2PX

Prices include VAT
Postage please add £3.30
We accept cheques/
P.O.'s/Visa/Access

ALL DISKS
STILL ONLY
99p EACH

Anglia PD

(%) = Magazine review score

(P) = Works on A500, A500 Plus and A600

Catalogue Disk (P)
only 70p - Includes a
superb Scenery
Generator!

HOME MANAGEMENT PACK 3 DISKS (P) £2.97
Calendar, Mortgage, Spreadsheet, Grammar, Mileage, World Time, Budget, Checkbook, Database, Typing Tutor, Typewriter, Grocery, List Maker, Home Banking.

CLIPART PACKS 1, 2 OR 3 EACH PACK = 5 DISKS £4.95
3 different packs of 5 disks, all full of the very best clipart for DPaint etc. (P)

FONTS PACK 1 OR 2 EACH PACK = 5 DISKS £4.95
2 different packs of 5 disks, pack 1 contains: Publisher fonts, various fonts, fonts disk 2, Cosmopolitan fonts, large fonts (loads of great fonts for DPaint etc.) (P)

ANGLIA COLOURFONTS PACK 1 OR 2 (P) 5 DISKS £4.95
5 disks full of original colour fonts produced here at Anglia. These are 16 colour fonts - not cut and paste! They are produced in the same way as the chisel font supplied with DPaint and the Kara range of commercial fonts! They are typed straight in and work with DPaint and TV Text.

EDUCATION PACK 1 (P) 5 DISKS £4.95
German, Globe, Geotime, Drawmap, Evolution, Clouds, Formula, Airfoil, Gravity Sim, Weather, Wave Maker and more! (This pack is one of our best sellers and is incredible value for money).

ASTRONOMY PACK (P) 4 DISKS £3.96
This superb pack now includes: Star Chart, Amisizer, Total Concepts Astronomy, Gravity Well, Grav Sim, Orbit, Planet and Fast facts on the solar system.

PRINTER USER PACK 2 (P) (NEW) 4 DISKS £3.96
A completely new collection of programs to help you get the best out of your printer! Includes: Desktop V3.51 (Disk labels), McMaster (Cassette covers), Printiles, JBSPool, Ervprint (Envelopes), New Print (Margins - Headers Footers etc.) and more.

SIMULATIONS PACK (P) 5 DISKS £4.95
All of the best PD simulations in one pack! Metro - Be a city planner, King Oil - you are J.R.I. Nuke - Nuclear arms race, Impresum Romanum - Grab ancient Mediterranean power, Sealance - Save the world with your nuclear sub. Truckin - Run your own trucking company. DC10 - Learn to fly a DC10 jet, Lore of Conquest - Two players: take over the galaxy! Insiders Club - Superb stockmarket simulation, Air Warrior - Take you pick from a huge range of aircraft with this excellent flight simulator!

EASY BUSINESS PACK (P) 5 DISKS £4.95
All programs included are powerful but easy! Includes: Text Engine V3 (The very latest wordprocessor), Spread V1 (Spreadsheet), QBase (Simple Database), BBase II (Good Database), Bankin (Great accounts package), X-Spell (Spell checker), Print Studio.

INTERMEDIATE BUSINESS PACK (P) 5 DISKS £4.95
Wordwright (Wordprocessor including Mail Merge and Macros), S-Calc (Good Spreadsheet), Amibase Pro 2 (Stunning PD Database - New!), Amigaspell (Spell Checker), LS Label (Infinite label control), Messysid V2 (Amiga File Management + PC File Transfer), Amiga Fax (Desktop Publishing).

DISK EXPERT PACK (P) 5 DISKS £4.95
If you want to learn more about your Amiga, get this pack! You'll be a disk expert in no time! Includes Power Packer (Easy file compactor), Sid (Brilliant CU Replacement Tool), Iconmania (Change any icon in seconds), Fixdisk, Viruschecker V5.3, D-Copy (Copies, Repairs, Formats and more), CU Tutorial (All you need to know) and 202 other utilities!!

"C" PROGRAMMERS PACK (P) 6 DISKS £5.94
A complete "C" language and superb instruction manual provide all you need to learn the "C" language, includes North C (2 disks) and the C Manual (4 disks).

MED V3.21 MUSIC PACK (P) 4 DISKS £3.96
MED is widely recognised as the best music package, PD or otherwise!! This pack contains V3.21, the latest version complete with loads of digital samples, a disk full of MED music scores and some great MED music to load and play! Listen to what your machine is capable of!

500+ CLASSIC GAMES PACK (P) 5 DISKS £4.95
An incredible collection of superb commercial quality arcade games! Hours of fun for both kids and adults. Includes: Defender, Galaxians, Scramble, Missile Command, Pac-Man, Bi-Planes, Drip, Space Invaders, Asteroids, Breakout, Tetris + more!

CARD + BOARD GAMES 2 (P) 4 DISKS £3.96
Another outstanding collection! 38 very good "Thinking" Games! Chess V2, Backgammon, blackbox, Towers, Pipe, Zens, Maze, Cluedo, Connect4, Dominoes, Draughts, Othello, Go Moku, Dragon Tiles, Klondike, Canfield, Mastermind, Wordsearch, Hangman, Pontoon and many more.

PUZZLES PACK 3 (P) 3 DISKS £2.97
6 brand new graphical puzzle games, all brilliantly done, guaranteed to keep you playing! Ashido, Flag Catcher, Rothello, Quadrix, Paragon, Technoban.

PC EMULATOR PACK (P) (NEW!) 3 DISKS £2.97
Includes the incredible PCTask CGA Emulator and two disks full of PC Public Domain Software.

C MANUAL V3 PACK (P) (NEW!) 5 DISKS £4.95
The Amiga C Encyclopedia consists of six manuals with more than 40 chapters, 175 fully executable examples, utilities and other goodies. It all adds up to a complete work on how to program in C on the Amiga. Expands onto 12 disks!

KIDS EDUCATION PACK (P) (NEW!) 2 DISKS £1.98
Includes: Hoony for Henrietta and Henrietta's Book of Spells. Lots of nicely done games for learning simple maths and spelling. For 5 years and over.

SINGLE DISKS AT ONLY 99p!
BUSINESS
B321 (P) (85%) Amigafox (English Desk Top Publishing)
B322 (P) (95%) 600 Business Letters (Superb! - Ready to use)
B326 (P) (96%) Topplus V3 (Very Comprehensive Wordprocessor)
B330 (P) (80%) Amicash (Superb new bank account manager)
B331 (P) (92%) QED (Very good wordprocessor for beginners)
B332 (P) (90%) U-Edit V3.0A (Latest and greatest word pro)
B333 (P) (86%) Amibase Professional 2 (Now PD - Super database)
B335 (P) (92%) Forms unlimited (Design invoices etc, quickly)

B327 (P) (86%) Test Engine V3.4 (great looking wordprocessor)
B339 (P) A-Graph (Produce Bar + Line Graphs easily)
B340 (P) (85%) BBase II V5.5. Latest Database now includes better printouts and mailing labels!

B342 (P) (New!) Wordpower (Great spell checker with crossword and anagram solving tool)
B344 (P) (NEW!) The Money Program (Very nice accounts package)

UTILITIES
U416 (P) (70%) CU Tutorial (Learn all about it)
U437 (P) (95%) D-Copy V2 (Now an even better disk copier!)
U495 (97%) Viruschecker V6.15 (P) (The latest - For the plus tool)
U496 (P) (95%) Messysid V2 (Reads and writes PC disks)
U497 (P) (95%) AS500+ Utilities (For the AS500+ only)
U4006 (P) Fancy disk label designer (The best!)
U4007 (P) (93%) Disk Optimiser (Fast disks, DHD: Tool)
U4008 (P) Sid V2 (It's superb!! Fully functional!)
U4009 (P) Amiga Tutorial (A beginners manual on disk, superb!)
U4011 (P) Race Rater. Horse race predictor - Good (NEW!)
U4012 (P) (92%) Magnetic Pages V1.3. Produce your own superb disk magazines (NEW!)
U4018 (P) (New!) Clips! (100% full of structured clip art for Pagestream, Pro Page etc!)

U4090 (P) (NEW!) A Gene V4.18 (Latest Genealogy Program)
U4021 (P) (NEW!) A Backup (Fantastic, easy to use HD Backup)

GAMES
G6019 (P) AS500+ Games (21 Games for the Plus!)
G6022 (P) Cluedo (100% accurate version)
G6025 (P) Monopoly (excellent American version!)
G6027 (P) (91%) Lothian. Superb ultra type adventure - great graphics - hordes of monsters! (NEW)
G6028 (P) (95%) Defender! (Arcade conversion - Brilliant!)
G6033 (P) (NEW!) Wots its Name (Very good general knowledge board game)
G6034 (P) (NEW!) Crossmaze (excellent crossword quiz game)
G6035 (P) (NEW!) Klaktris (Superb "Columns" game!)
G6036 (P) (NEW!) (92%) Total War (Perfect version of The Risk board game)
G6037 (P) (NEW!) Solitaire (Instantly enjoyable Patience Cardgame)

CHILDRENS
C701 (P) Learn + Play (2 disks - super education for 4-10yrs)
C712 (P) Colour Pad (New colouring book for youngsters)
C714 (94%) Storyland II (Brilliant kids game)
C715 (P) Composer (simply superb music maker for 10yrs +)
C718 (P) (92%) Centipede (wonderful graphics, brilliant game for ages 8 to adult!)
C719 (P) (87%) Total Concepts (2 Disks) (Astronomy & Dinosaur Education Pack - Good!)

C720 (P) Colour the alphabet (Great education for early learners 4yrs+)
C724 (P) (95%) Doodly. (Like Mario Bros and very good - NEW!)
C725 (P) (91%) Mr + Mrs. (Platform adventure for 7yrs+ - it's got everything!)
C726 (P) (83%) GCSE Maths (Great revision disk)
C727 (P) (100%) Top Secret (reviewed as the best platform game ever!!)

C728 (P) (NEW!) Maths Reflex (Excellent program for improving mental arithmetic, from ages 8 to 80!)



DESKTOP VIDEO PACK 2 (P) (100%) 4 DISKS £3.96
Probably our best pack yet! Provides everything to start you off in video. 5 Movie for Smooth scrolling titles using any font of any size. Showbiz for slideshows with loads of wipes and fades. A-Graph for business videos: Shadow Maker to add shadows and smooth any font. Video Librarian: Video Tools: Video Tests: Loads of fonts and more!

DESKTOP VIDEO PACK 2 INSTRUCTION MANUAL!!! (P) £2.99
A 50 page instruction manual for DTV pack 2. Professionally printed, contains instructions for all the programs in the pack and a section on fonts and how to use them! Also includes a superb guided tutorial that takes you through the major programs step by step, letting you create your own titles as you go! Designed for beginners and experienced users, this manual will make desktop video easy!

FISH DISKS IN STOCK 350-720 ONLY 99p EACH!

DEJA-VU IN STOCK 1-85 £3.99 EACH!

HIGH QUALITY HARDWARE
100 Capacity Lockable 3.5" Disk Box £5.50
8mm High Quality Mouse Pad £2.99
Amiga 500/500+ Dust Cover £3.99
Monitor/TV Dust Cover £4.99
3.5" Disk Drive Cleaning Kit £2.99
2 Piece Printer Stand (Paper under) £5.60

ANGLIA PUBLIC DOMAIN LIBRARY
(Dept ASH), 115 Ranelagh Road, Felixstowe, Suffolk, IP11 7HU

Access
International orders welcome but please add 30p per disk for post & packing.
PHONE 0394 283 494

Simply phone your order through or send a cheque/postal order. Please add 60p to cover post and packing.

AMEAGRE PRICES FOR AMIGA USERS

10 Great Games	20.95	Elvira - Arcade Game	17.95	Legend	20.95	Rodland	17.95
2-Hot 2-Handle (Comp)	20.95	Elvira I (1Mb, N+)	20.95	Leisure Suit Larry 5 (1Mb)	23.95	Rolling Ronny (N+)	17.95
3D Construction Kit	33.95	Elvira II	23.95	Lemmings (Original)	17.95	Rotox	7.95
3D Construction Kit 2	33.95	Emlyn Hughes International Soccer	7.95	Lemmings Levels (Add-On version)	13.95	Rugby - The World Cup	17.95
4 Wheel Drive (Comp)	20.95	Epic (1Mb, N600)	20.95	Lemmings Levels (Stand Alone)	17.95	Secret Of Monkey Island (1Mb, N+)	17.95
4D Sports Boxing	17.95	Escape From Planet of Robot Monsters	6.96	Let's Spell At Home	14.95	Secret Of Monkey Island II (1Mb)	26.95
A.P.B.	6.96	Espana - The Games '92	20.95	Let's Spell At The Shops	14.95	Secret Of Monkey Island II - Clue Book	9.99
A10 Tank Killer (1Mb)	23.95	Euro Football Champ	17.95	Let's Spell Out And About	14.95	Secret Of Silver Blades (1Mb)	20.95
A320 Airbus (N600)	25.99	European Championships 1992	17.95	Life & Death	17.95	Sensible Soccer	17.95
Action Stations (1Mb)	20.95	Exile	17.95	Lineker Collection	13.95	Shadow Dancer	17.95
Addams Family	17.95	Eye Of The Beholder I (1Mb)	20.95	Links (1Mb)	23.95	Shadow Of The Beast	7.95
AD1 English (11-12)	17.95	Eye Of The Beholder II (1Mb)	23.95	Little Puff (N+)	6.96	Shadow Of The Beast II	17.95
AD1 English (12-13)	17.95	Eye Of The Beholder II - Clue book	9.99	Liverpool Football	17.95	Shadowlands	20.95
Advanced Destroyer Sim	7.95	F-15 Strike Eagle II (1Mb, N+)	23.95	Locomotion	17.95	Sherman M4	6.96
Advanced Fruit Machine	5.95	F-16 Combat Pilot	7.95	Lombard RAC Rally	6.96	Shoe People	17.95
After Burner	6.96	F-19 Stealth Fighter	20.95	Lord Of The Rings	17.95	Shoot' Em Up Construction Kit	7.95
Agony	17.95	F-29 Retaliator (N+)	17.95	Lotus Esprit Turbo Challenge	7.95	Shuttle	20.95
Air Combat Aces	20.95	Face-Off - Ice Hockey	17.95	Lotus III - The Final Challenge	17.95	Silent Service II (1Mb)	23.95
Air Sea Supremacy (Comp)	20.95	Falcon	11.95	Lotus Turbo Challenge II	17.95	Silkworm	7.95
Air-Land-Sea (Comp) (688 AS N+)	23.95	Falcon - Counterstrike Data Disk	7.95	Lure Of The Temptress (1Mb)	20.95	Sim Ant	23.95
Alcatraz	17.95	Falcon - Firefight Data Disk	7.95	M1 Tank Platoon	20.95	Sim City	18.95
Altered Beast	6.96	Fantasy World Dizzy (N+)	6.96	Magic Maths (4-8)	19.95	Sim City - Architecture 1	7.95
Amos 3D	23.95	Fast Food (N+)	5.95	Magic Pockets	17.95	Sim City - Architecture 2	7.95
Amos Compiler	20.95	Final Blow	17.95	Magic Storybook (1Mb)	20.95	Sim City - Terrain Editor	7.95
Amos The Creator	33.95	Final Flight (N+)	17.95	Magicaland Dizzy	6.96	Sim City/Populous	20.95
Anarchy	7.95	Fire And Ice	17.95	Magnetic Scrolls Collection	20.95	Sim Earth	23.95
Another World	17.95	Fireforce	17.95	Manchester United	7.95	Simpsons	17.95
Apidya	17.95	First Division Manager	6.96	Manchester United Europe	17.95	Sir Fred	6.96
Aquatics	17.95	Fists of Fury (comp) (N+)	17.95	Match of the Day	17.95	Ski Or Die	8.95
Aquaventura	17.95	Flood (N+)	8.95	Maths Adventure (6-14)	19.95	Slightly Magic	6.96
Arkanoid II - Revenge of Doh	6.96	Floor 13	20.95	Maths Mania (8 - 12)	19.95	Sly Spy	6.96
Armour Geddon	17.95	Football Crazy (Comp)	17.95	Max (Comp) (N+)	20.95	Smash TV	17.95
Armour Geddion 2	17.95	Football Director 2 (1Mb, N+)	17.95	Mega Sports	17.95	Soccer Pinball	6.96
Arsenal - The Computer Game	17.95	Formula 1 Grand Prix (MP) (1Mb)	23.95	Mega Twins	17.95	Soccer Stars (Comp)	17.95
Ashes of Empire (1Mb)	27.95	Fun School 4 (5-7)	17.95	Mega-Lo-Mania/First Samurai	20.95	Sooty & Sweep	6.96
Award Winners (Comp)	17.95	Fun School 4 (7-11)	17.95	Megafortress (1Mb)	20.95	Space 1889 (1Mb)	20.95
Ballistix	7.95	Fun School 4 (Under 5's)	17.95	Megatraveller 1 (1Mb)	20.95	Space Ace II	23.95
Bandit Kings of Ancient China (1Mb)	23.95	Fuzzball	13.95	Megatraveller 2 (1Mb)	20.95	Space Crusade	17.95
Bane of The Cosmic Forge (1Mb)	25.99	G-Loc	17.95	Mercenary 3	20.95	Space Gun	17.95
Barbarian I	6.96	Gateway To Savage Frontier (1Mb)	21.95	Mercs	17.95	Spanish Tutor	15.99
Barbarian II (Psygnosis)	17.95	Gauntlet II	6.96	Micro German	18.95	Special Forces (1Mb)	23.95
Bards Tale 3	8.95	Gauntlet III	17.95	Microprose Golf (1Mb)	23.95	Sports Best	17.95
Bards Tale Trilogy	23.95	GB Route Plus (1Mb)	55.95	Microprose Soccer	6.96	ST Dragon	6.96
Batman - Caped Crusader	6.96	German master	15.99	Midnight Resistance (N+)	6.96	Starflight 1 (N+)	8.95
Batman The Movie	6.96	Ghostbusters 2 (N+)	6.96	Mig 29 Soviet Fighter (N+)	5.95	Steg The Slug	6.96
Battle Chess	8.95	Global Effect (1Mb)	20.95	Mig 29M Super Fulcrum (N+)	26.95	Steve McQueen - West Phaser	17.95
Battle Chess II (N+)	17.95	Go For Gold	7.95	Might And Magic III (1Mb)	23.95	Storm Master	20.95
Battle Isle	20.95	Gobliins	17.95	Mini Office (1Mb)	49.95	Street Fighter (N+)	6.96
Battle Isle - Scenario Disk Vol 1	13.95	Godfather	20.95	Moonbase (1Mb)	23.95	Strider	6.96
Beach Volley	6.96	Gods	17.95	Moonstone (1Mb)	20.95	Strike Fleet	17.95
Beastbusters	17.95	Golden Axe	7.95	Moonwalker (N+)	6.96	Striker (1Mb)	17.95
Better Maths (12-16)	19.95	Goofy's Railway Express	17.95	Movie Premier Collection (N+)	20.95	Stunt Car Racer	6.96
Better Spelling (8 Adult)	19.95	Graham Taylor's Soccer (1Mb)	17.95	Myth	17.95	Supaplex	6.96
Big Run	17.95	Grandstand (Comp) (N+)	20.95	Nam	20.95	Super Heroes (Comp)	20.95
Birds Of Prey (1Mb)	23.95	Guy Spy	20.95	Narc	6.96	Super Off Road	7.95
Bitmap Brothers - Volume 1	17.95	Hagar The Horrible	17.95	Narco Police	6.96	Super Sega (Comp)	20.95
Bitmap Brothers - Volume 2	17.95	Harlequin	17.95	Neighbours	17.95	Super Seymour Saves the World	6.96
Black Crypt (1Mb, N+)	17.95	Harpoon - Battle Book	17.95	New Zealand Story (N+)	6.96	Super Sim Pack (Comp)	20.95
Black Genius	20.95	Harpoon - Battle Set 3	11.95	Ninja Collection	13.95	Super Space Invaders (N+)	17.95
Bonanza Brothers	17.95	Harpoon - Battle Set 4	11.95	Ninja Warriors	7.95	Super Tetris (1Mb)	20.95
Brain Blaster	6.96	Harpoon - Editor	13.95	Nitro	7.95	Supercars	6.96
Bubble Bobble (N+)	6.96	Harpoon v1. 2.1	23.95	North & South	6.96	Supernova - Fruit Machine	6.96
Cadaver - The Payoff	11.95	Head Over Heels	6.96	Omar Sharif's Bridge (1Mb)	23.95	Super Ski 2	17.95
California Games II	22.95	Heart of China (1Mb)	23.95	Operation Combat	7.95	Supremacy	20.95
Capcom Collection	20.95	Heimdall (1Mb)	23.95	Operation Stealth	17.95	Suspicious Cargo	17.95
Cardiacc	17.95	Henrietas Book of Spells (7 - 14)	17.95	Operation Thunderbolt	6.96	Swiv (N+)	17.95
Carl Lewis Challenge	17.95	Heroes of the Lance	6.96	Operation Wolf (N+)	6.96	Tennis Cup 2	17.95
Cartoon Collection	17.95	Heroquest - Data Disk	11.95	Pacific Islands	20.95	Terminator II	17.95
Casino	17.95	Heroquest - Twin Pack	20.95	Pagesetter II	39.95	Test Drive II Collection (N+)	20.95
Castle Master	6.96	Hitchhikers Guide To The Galaxy	7.95	Pang	6.96	The Manager (1Mb)	20.95
Castle Of Dr Brain (1Mb)	23.95	Hollywood Collection (N+)	20.95	Panza Kick Boxing	7.95	Thunderhawk	20.95
Castles (1Mb)	20.95	Home Accounts 2	39.95	Paperboy 2	17.95	Tip Off	17.95
Celtic Legends	20.95	Home Alone (1Mb, N+)	17.95	Parasol Stars	17.95	Titus The Fox	17.95
Centurion	8.95	Hook (1Mb)	17.95	Pen Pal	57.95	Toki (N+)	17.95
Champions Of Kyrnn (1Mb)	20.95	Hostile Breed	17.95	Perfect General (1Mb)	23.95	Top League (Comp) (N+)	20.95
Championship Manager (1Mb)	17.95	Hoversprint	6.96	PGA Tour Golf - Courses Disk	11.95	Touchdown	11.95
Chart Attack - Volume 1 (Comp)	20.95	Hudson Hawk	17.95	PGA Tour Golf Plus	20.95	Touring Car Racer	6.96
Chase HQ I	6.96	Humans	20.95	Pinball Dreams	17.95	Treasure Island Dizzy (N+)	4.49
Chase HQ II	17.95	Hunt For Red October	7.95	Pit Fighter	17.95	Treasures Of Sav. Frontier (1Mb)	21.95
Chess Championship 2175	13.95	Hunter	20.95	Plan 9 from Outer Space (1Mb)	23.95	Trivial Pursuit	13.95
Chessmaster 2100 (1Mb)	20.95	Ian Botham's Cricket (1Mb)	20.95	Platinum (Comp)	17.95	Turrican	6.96
Chips Challenge	17.95	IK+	6.96	Police Quest 3 (1Mb)	23.95	Turrican II	6.96
Cisco Heat	17.95	Impossible	6.96	Pool Of Radiance	20.95	Turtles 2 - the Coin Op	17.95
Civilisation (1Mb)	23.95	Impossible Mission 2 (N+)	6.96	Pools Of Darkness (1Mb)	21.95	U.M.S II	20.95
CJ In Space	6.96	Indiana Jones & Last Crusade (ACT)	6.96	Populous - World Editor	11.95	Ugh!	17.95
Conflict Korea (1Mb)	23.95	Indy Heat	17.95	Populous II (1 Meg)	20.95	Ultima 6 (1Mb)	20.95
Conquests of Camelot (1Mb)	26.95	International Sports Challenge	20.95	Populous II (1/2 Meg)	20.95	Untouchables	6.96
Conquests of the Longbow (1Mb)	23.95	Iron Lord (N+)	7.95	Power-Up (Comp)	20.95	Utopia	20.95
Continental Circus	7.95	Ishar - Legend Of The Fortress (N600)	20.95	Powermonger	20.95	Utopia - New Worlds Data Disk	11.95
Cool Croc Twins	17.95	Italia '90	7.95	Powermonger Data Disk (WWI)	11.95	Venus the Flytrap	6.96
Corporation + Mission	17.95	Ivanhoe	6.96	Premier Collection	17.95	Video Kid	17.95
Count & Add (Under 7's)	8.95	Jack Nicklaus Uni Golf (1Mb)	20.95	Premiere (1Mb)	20.95	Vikings (1Mb)	17.95
Covert Action	23.95	Jaguar XJ220 (1Mb)	17.95	Primary Maths Course (3-12)	18.95	Virtual Reality 2 (Comp)	20.95
Crazy Cars 3	17.95	James Bond Collection (N+)	17.95	Pro Tennis Tour 1	6.96	Virtual Worlds (Comp)	20.95
Cruise For A Corpse	19.95	James Pond	6.96	Pro Tennis Tour 2	17.95	Viz	7.95
Curse Of The Azure Bonds (1Mb)	20.95	Jim Power	17.95	Push-Over (1Mb)	17.95	Vroom	17.95
D-Generation (1Mb)	12.95	Jimmy White's Whirlwind Snooker	20.95	Puzznic	6.96	Vroom - Data Disk	12.95
Daily Sport Cover Girl Poker	17.95	John Barnes Euro, Football (1Mb)	17.95	Quest And Glory (Comp)	20.95	Willy Beamish (1Mb)	23.95
Daley Thompson's Olympic Challenge	6.96	John Maddens Football	17.95	Quest For Adventure (Comp) (1Mb)	23.95	Wizkid	17.95
Dark Queen Of Kyrnn (1Mb)	21.95	Junior Typist (5 - 10)	14.95	Quest For Glory 1 (1Mb)	26.95	Wolfchild	17.95
Death Knights Of Kyrnn (1Mb)	20.95	Jupiter's Masterdrive	6.96	R-Type II (N+)	17.95	Wolfpack (1Mb)	20.95
Deliverance	17.95	Keys Of Maramon	17.95	R.B.I. Baseball 2	20.95	Wonderland (1Mb)	20.95
Deluxe Paint IV	59.95	Kick Off + Extra Time	6.96	Race Drivin	20.95	Wordworth v1.1 (1Mb)	83.95
Demoon Blue	6.96	Kick Off II (1 Meg)	17.95	Railroad Tycoon (1Mb)	23.95	World Class Leaderboard	6.96
Deuterios (N+)	20.95	Kick Off II (Final Whistle)	9.95	Rainbow Collection	13.95	World Class Leaderboard + tee set	7.95
Dizzy Collection	17.95	Kick Off II (Giants Of Europe)	6.96	Rainbow Islands	6.96	World Class Rugby	17.95
Dizzy Panic	6.96	Kick Off II (Return To Europe)	6.96	Realms	20.95	World Class Rugby - 5 Nations	20.95
Dizzy's Excellent Adventures	17.95	Kick Off III	17.95	Red Baron	23.95	World Series Cricket (+free Cricket) (1Mb)	17.95
Dojo Dan	17.95	Kid Gloves II	17.95	Red Heat	6.96	Wrestlemania	17.95
Donald's Alphabet Chase	17.95	Kind Words 2 (N+)	36.95	Red Zone	17.95	X-Out	6.96
Double Dragon I	7.95	Kind Words 3 (1Mb)	36.95	Renegade	6.96	Xenon I	7.95
Double Dragon II	7.95	Kings Quest 5 (1Mb)	26.95	Rick Dangerous I	6.96	Z-Out	6.96
Double Dragon III	17.95	Knightmare	20.95	Rise Of The Dragon	26.95	Zool (1Mb)	17.95
Dragon Ninja (N+)	6.96	Knightmare - Hint Book	5.99	Risky Woods	17.95		
Dreadnoughts	25.99	Knights of the Sky (1Mb)	23.95	Robin Hood	17.95		
Dune (1Mb)	20.95	Kwik Snax	6.96	Robocop	17.95		
Dyna Blaster	20.95	Last Ninja II (N+)	6.96	Robocop I	6.96		
Easy Amos (1Mb)	25.99	Leander	17.95	Robocop II	17.95		
Elf	17.95	Leather Goddess of Phobos	7.95	Robocop III	17.95		

3 1/2"

Double Sided
Double Density

QUANTITY	PRICE
10	£4.99
20	£9.75
25	£11.90
30	£13.90
35	£15.85
40	£17.75
45	£19.75
50	£21.50
80	£34.00
100	£38.75
120	£45.90
150	£56.55
200	£72.85
250	£89.95
300	£107.50
400	£142.75
500	£169.95
1000	£334.95
2000	£658.00

WITH LABELS & WARRANTY

BOXES

(with keys and dividers)

10 Slimpack	£0.94
40 capacity	£4.95
50 capacity	£5.60
80 capacity	£6.30
100 capacity	£6.80
120 capacity	£8.75
140 capacity	£9.95
150 capacity	£10.95
150 Deluxe stackable	£21.95

JOYSTICKS

Python 1 (QS130F)	£9.25
Maverick 1 (QS128F)	£13.75
125+	£9.00
The Bug	£13.50
Star Probe	£13.50
Competition Pro 5000 - black	£13.75
Speedking A/F	£11.00
Navigator A/F	£13.75
Topstar (SV127)	£21.50
Supercharger (SV123)	£9.00
Sting-Ray A/F	£12.50
Megastar A/F (SV133)	£22.00

MISCELLANEOUS

Cartoon Classics Pack	£359.95
Philips CM8833II Monitor	£229.95
Deluxe Work Centre	£46.95
Cumana Disk Drive	£57.95
.5Mb Upgrade + clock	£29.95
.5Mb Upgrade	£26.95
1Mb Upgrade (500+)	£56.95
Mouse	£14.75
Mouse Mat	£2.95
Mouse House	£2.95
Dustcover (Amiga)	£3.65
Dustcover (Monitor)	£6.99
Dustcover (LC10)	£7.65
Dustcover (LC24)	£6.99
Auto Mouse/Joystick Switch	£14.75
Trackball	£31.96
Head Cleaner	£3.75

MINI OFFICE £49.95
Word Processor Spreadsheet
Database Graphics Disk Utilities

All Prices include UK postage and VAT and are effective until 8th November 1992
Overseas orders - Postage charged at cost.

New titles will be sent as they are released and are subject to manufacturers price reviews.

Credit Card orders:
(10.00am - 10.00pm, 7 days not an answer phone)

071-608-0624

Cheques/Postal Orders to
DataGem Ltd, Dept AF, 23 Pitfield Street, London N1 6HB
Showroom open Monday - Friday 10am - 6pm Exit 2, Old Street Tube

DUNCAN THE BEETLE

ANIM

VIRUS FREE PD, DISK 2892



"Aha, a large mound of dung. I must dive into it immediately." Dung beetles are well-known for being stupid.

Ah, yes. Once again a whole month passes without any sign of an Eric Schwartz animation. Sigh. Looking on the bright side, though, there are a few other animators out there who are getting close to his standard, and one of them is Roddy McMillan.

Using *MovieSetter*, Roddy has put together a bright, colourful animation which tells the story of a dung beetle trying to push a large mound of dung... as they do, I suppose. Anyway, Duncan (as is the beetle's name) finds the mound a little too heavy, so he tries taking a good long run up - finding out the hard way that the dungball is still soft and squishy... Eurrghh!

It's obvious from the feel of the animation that the author has been heavily influenced by Eric Schwartz, he even states this in the introduction. However, one thing that makes Schwartz animations stand out from the rest is the simplicity of the graphics - lots of cuteness and expression, but not overly detailed - and McMillan's graphics are just that little bit too complicated. Still, this is one of the author's first attempts, so let's hope he keeps producing 'em!

KINGFISHERVIRUS FREE PD,
TWO DISKS

ANIM



This little fellow is taken from the *Real Things* clip art library, and is used to good effect in this demo.

The second piece of work by Roddy McMillan this month is a set of two single-disk animations which show a kingfisher trying to catch a fish (hence the name). The first disk shows the bird eyeing up the fish and swooping down to the lake to catch it, while the second has him leaving the lake, fish in beak, and flying back up to his perch in a tree.

The animations have an authentic use of colour. The main character (which is from a clip art library) is particularly realistic, and the attention to detail in the backgrounds is extremely good - especially the ripples that are created as the kingfisher breaks the surface of the lake.

PD Demo Zone

Andy Nuttall has been slaving and toiling over a hot Amiga to bring you a selection of graphics and music demos that are part of the sub-culture we know as the Public Domain. Also featured are some animations from a Schwartz-esque new talent... so take time out to get cultured. Read on...

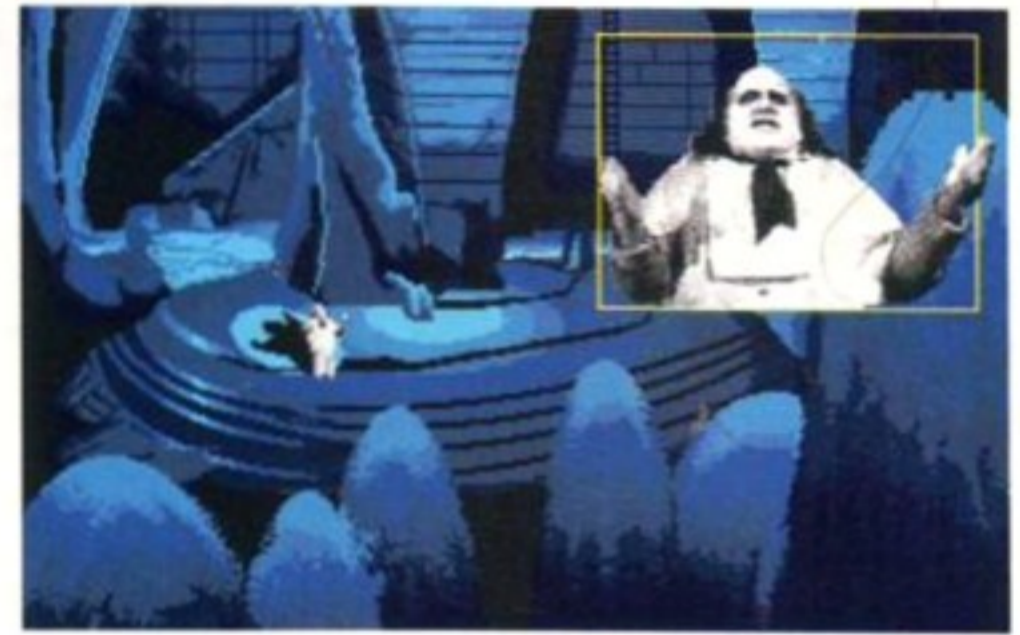
As well as the bird itself, the trees and waterfall are also nicely animated, which makes the whole thing just that bit more realistic.

Unlike *Duncan The Beetle*, *Kingfisher* contains no sound, which is a bit of a shame because this would have added to the atmosphere considerably. It's also a shame that the two disks were not linked so that the second animation plays directly after the first - as they stand, the two disks are totally separate, which seems a little odd. These are the only criticisms, though, and the disks are certainly worthy of a look.

BATMAN RETURNSDARREN COLLENDER
REQUIRES 1.5 MB

DEMO

All right, for those of you who haven't seen *Batman Returns* yet, newcomer Darren Collender has produced this demo which has a similar feel to the film previews that you find at the start of videos (you know - the annoying ones that you fast forward through while your mate is making the tea).



This looks like *The Penguin*, but that's because it's digitised. The hand-drawn stuff isn't this good, though.

The demo is based on the official film preview, it features several digitised graphics screens of Catwoman, The Penguin and Batman (aka Pfeiffer, DeVito and Keaton), with some animation thrown in for good measure. The sound merely consists of a repeated sample of the music, overlaid by the voice of the narrator, and some clips from the film itself. The sampling isn't

Continued on page 206

DOLPHIN DREAMS

17 BIT, DISK 2172

ANIM

It's really good when you see relative newcomers to the PD scene coming up with good demos, and this month we have two! The first, called *Dolphin Dreams* by Craig Collins, comprises four pictures and an animation, each describing a different dolphin scene. The graphics have been ray traced in HAM mode using the *Imagine 2* program, and are of an extremely good quality.

The animation shows a whole school of dolphins leaping out of a stretch of water, and flying through the air towards the monitor screen before diving back beneath the surface. The animals are all very strangely coloured, as is the water, which gives the whole thing an incredible dream-like quality. It looks really simple, but it's very, very effective.

The other three pictures are of a similar quality. One is a still frame from the animation showing two dolphins in mid-flight. Another is a sort of title page for the group, with some dolphins decorating a *Dolphin Dreams* logo; while the other two show different types of dolphins, again in very strange and ethereal colours.

I personally think that dolphins are marvellous creatures, and I love this demo. It's imaginative, technically excellent and very well animated. Maybe Craig Collins (the author) should create a series of animal animations...



This excellent piccy is part of an animation which was ray traced using *Imagine 2*. Superb!

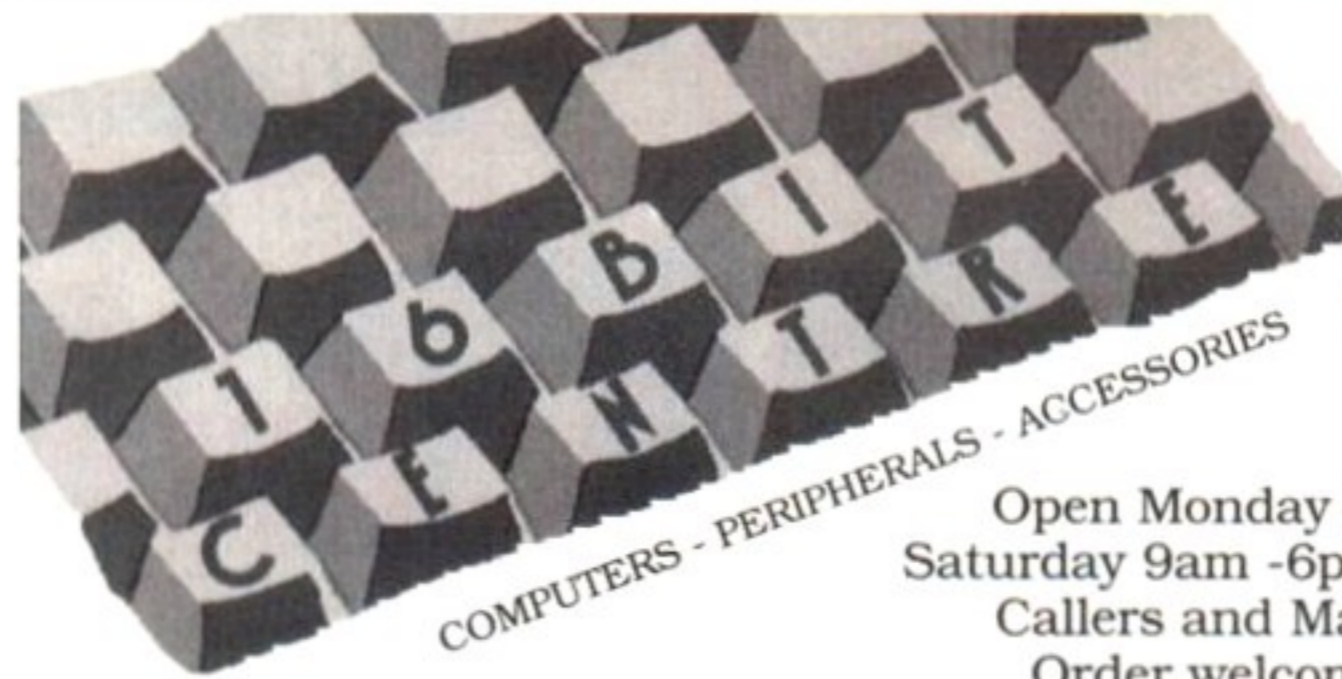


'Now the whaler's work is done she's crying for her little one. I bow my mortal head in shame - this murderous insanity, the madness of humanity.'

Titan, by The Sun & The Moon

**COMMODORE
1085S STEREO
MONITOR**
Including FREE lead
ONLY £199.00

**PHILIPS 8833 MK II
STEREO MONITOR**
Including Free Lead
ONLY £189.00



Open Monday to
Saturday 9am -6pm
Callers and Mail
Order welcome
Easy parking

**KCS POWERBOARD
PC Emulator
For Amiga A500**
ONLY £179.00

**AT-ONCE AMIGA
PC 286 AT EMULATOR
FOR A500**
ONLY £159.00

HARD DRIVES

A600 Now in £289, A600 Classics £299,
A600 HD £445, A600 HD Classics £475

GVP SERIES II 1500/2000 52Mb Quantum Space for 8Mb RAM £269.00	GVP SERIES II 1500/2000 120Mb Maxtor Space for 8Mb RAM £379.00	GVP SERIES II 1500/2000 120Mb Quantum Space for 8Mb RAM £405.00	GVP SERIES II A500 52Mb Quantum Space for 8Mb RAM £325.00	GVP SERIES II A500 120Mb Maxtor Space for 8Mb RAM £405.00	GVP SERIES II A500 120Mb Quantum Space for 8Mb RAM £425.00
---	---	--	--	--	---

AMIGA A600 FUN PACK

Amiga A600 Plus, Mouse, Modulator, Manuals, Workbench, Joystick, Disk Box,
10 Disks, Dust Cover, Dpaint III, 1Mb RAM, PLUS 13 GAMES
Lemmings, Simpsons, Captain Planet, Safari Guns, Bubble Ghost, Tin Tin, Purple
Saturn Day, Jumping Jackson, Hostages, Bobo, Krypton Egg, Shuffle Puck Cafe,

ONLY £359.00 inc VAT

KICK OFF 2
£9.50

**HOME
ACCOUNTS**
£9.95

IVS TRUMP FOR A500
With space for 8Mg of RAM
52 MEGS£309
120 MEGS£425

A500 CARTOON CLASSICSOnly £319.00

SOFTWARE

DELUXE PAINT II£4.35	X CAD 2000£95.00
AMOS + EXTRAS DISK£32.00	QUARTERBACK V5£39.00
BROADCAST TITLER II£139.00	PRO-WRITE V3.2£69.00
HOT LINKS£49.00	IMAGEMASTER£92.00
DIGIVIEW MEDIA STATION£109.00	PHOTON PAINT 2£25.00
LATTICE C V5.10£149.00	FINAL COPY£45.00
PAGESETTER V2£42.00	VIDEO EFFECTS 3D£99.00
PAGESTREAM V2.2£125.00	DOS 2 DOS£28.00
PAGESTREAM FONTS PACK£49.00	O/BACK TOOLS£42.00
X CAD 3000£249.00	WORDWORTH£72.00
CROSS DOS V5£39.00	SUPERJAM£85.00
SCENERY ANIMATOR£53.00	REAL 3D BEGINNERS£99.00
TURBO PRINT PROFESSIONAL£38.00	
PEN PAL, Excellent easy to use word processor£53.00	
IMAGINE 3D V2.0 Animations & ray-tracing£179.00	
ART DEPARTMENT PROFESSIONAL V2.05£119.00	
DIRECTORY OPUS£29.95	
VIDEO EASE, Video titling package£35.00	
BARS + PIPES PROFESSIONAL£189.00	
D PAINT 3£15.00	
THE WORKS PLATINUM, Integrated package£39.00	
IBM EMULATOR emulates a PC on the Amiga£39.00	
VISIONARY Adventure creation language£53.00	
WALT DISNEY ANIMATION STUDIO£54.00	
REAL 3D TURBO/PROFESSIONAL£269.00	
PROFESSIONAL PAGE V2.1 with tutorial video£115.00	
PROFESSIONAL PAGE V3.0 New version£129.00	

HARDWARE

386/20 AT Bridgeboard For 1500/2000£425.00
ROM V2.04 AND ECS DENISE NOW IN STOCKeach £29.00
ROM V2.04 Upgrade Kit£85.00
DCTV 24 bit colour graphics£419.00
WIRELESS MICROPHONE Ideal for sampling£75.00
GVP PC EMULATOR (for GVP A500 hard drives) 16Mhz£195.00
A530 40Mhz Accelerator with 52 meg hard drive with 1 meg ram£639.00
A530 40 Mhz Accelerator with 120 meg hard drive with 1 meg ram£749.00
OPW TV TUNER for Philips + Commodore monitors£49.00
GOLDEN GATE 386/25 Bridgeboard for 1500/2000/3000£425.00
TV TUNER for Philips and Commodore monitors£69.00

PRINTERS

STAR LC24/200 COLOUR inc. free lead£269.00
STAR LC200 9 pin colour inc. free lead£189.00
STAR LC20 9 pin mono inc. free lead£132.00
CITIZEN SWIFT 24E 24 pin colour printer inc free lead£265.00
CITIZEN 224 COLOUR 24 pin colour printer inc free lead£222.00
CITIZEN SWIFT 9 COLOUR 9 pin colour printer inc free lead£181.00
CANON BJ10 EX bubble jet printer inc free lead£232.00
STARJET SJ48 bubble jet printer inc free lead£225.00
HP DESKJET 500 inkjet inc free lead£349.00
HP DESKJET 500 COLOUR inkjet inc free lead£539.00
CITIZEN 224 MONO 24 pin mono printer inc free lead£209.00

MEMORY

SUPRA RX500, 8Mb board for A500 with 1Mb£92.00
SUPRA RX500, 8Mb board for A500 with 2Mb£117.00
SUPRA RX500, 8Mb board for A500 with 4Mb£185.00
SUPRA RX500, 8Mb board for A500 with 8Mb£285.00
A500 512K RAM WITH CLOCK AND SWITCH£29.00
A500 PLUS 1MB RAM UPGRADE£37.00
ROM 1.3/2.0 Sharer with switch (Rom 1.3 £22.00)£12.00
ROM 1.3/V 2.0 Sharer by keyboard reset (Rom 1.3 £22.00)£22.00

MODEMS & FAX

Supra 14400 Fax modem v32 bis inc. comms software£255.00
Miracomm WS4000 v21, v23 modem£49.00
Supra 9600 v32 Fax/Modem inc. comms software£189.00
Supra 2400 Plus, MNP5 & V42 Bis (speeds up to 9600)£129.00
Supra FAX MODEM SOFTWARE£69.00
Supra 2400 Plus Internal Modem for A1500/B2000£159.00
Supra 14400 HST Fax Modem (Speeds up to 57000) NEW IN£499.00

AMIGA A1500

The A1500 inc. Philips or CBM 1084s or 5 monitor, Twin drives, Dpaint3,
The Works Platinum, Home Accounts, 3 Games + Joystick

ONLY £739.00

AMIGA A500 part exchange available - please phone

ACCELERATORS

Microbotics Accelerator VXL-30, 25MHz£222.00
Microbotics Accelerator VXL-30, 40MHz£351.00
Speed Merchant Doubles Amiga Speed£149.00
GVP 68030 25MHZ WITH 1 MEG RAM£545.00
GVP 68030 40MHZ WITH 4 MEGS RAM£779.00
GVP 68030 50MHZ WITH 4 MEGS RAM£1090.00

HOW TO ORDER:
Either call our number
below with your credit
card details, or send
cheque/PO or credit
card details to our
address. Cheques made
payable to
THE 16 BIT CENTRE
Prices subject to change without
notification.

All prices include VAT and Courier Service

16 BIT CENTRE

Units 15-17,

Lancashire Fittings Science Village

Claro Road, Harrogate HG1 4AF

Tel (0423) 531822/526322

**EXTENDED WARRANTY
AND MAINTENANCE
CONTRACTS AVAILABLE
ON ALL ITEMS. PLEASE
CALL FOR FURTHER
DETAILS**





CUT, TICK & POST...CUT, TICK & POST

Telephone or Fax Hotline (0702) 466933

PD Soft (AF40) 1 Bryant Ave, Southend-on-Sea, ESSEX, SS1 2YD



300 Adobe Type 1 Fonts *

PD-Soft brings you 300 Adobe Type 1 Fonts direct from the largest Amiga Public Domain Company in the U.S.A. 80 Track Software look over 10 months to produce the only comprehensive set of fonts that works flawlessly on your Amiga. Fulfilling all your font needs from A to Z. These fonts will work with Postscript 1, Postscript 2.1+ and Professional Page v3.0+. Send a C5 S.A.E. for a complete list or just ring and ask. * This Special Font pack is Exclusively Licensed to PD-Soft

EDUCATION

- JX V13 PLAY & READ CHALLENGE (2)** Education prog for the under 7s
- JX V546 KIDS PAINT** A painting program designed for children. Includes various colours & speech.
- JX V584 FASTFACTS** Everything you ever needed to know about the solar system. **WORLDMAP** Produces different sorts of Maps. **PLANETS** Instant locations
- JX V737 EDUCATION** This is a set of Animations gives a basic knowledge on Steam Engine's, Four Stroke Petrol Engine's & The Gas turbine Engine (3)
- JX F652 ELEMENTS v3.0** Very nice interactive display of the Periodic Table
- JX LB** **DISZY LIZZYS FUN TIME 1** Large colourful graphics. £3.50
- JX L14** **CLASS ROOM MATHS** Different skill & age levels. £3.50
- JX CL1** **TOP CONCEPTS (2)** Based on the subject of DINO-SALURS. £6.50
- JX CL2** **TOP CONCEPTS (2)** Based on the subject of GEOLOGY £6.50
- JX CL3** **TOP CONCEPTS (3)** Based on the subject of Solar system. £8.25
- JX CL7** **TOP CONCEPTS (2)** Based on the subject of Freshwater Fishing. £6.50
- JX LP8** **WORK & PLAY** 3 programs. **CLICK CLOCK** for Learning the time. **LET GO SHOPPIN'** for simple division & multiplication. **RUNTIMES TABLES**, teaches the times tables. £4.99
- JX LP10** **WORD FACTORY** a program to help kids learn to spell. £4.99
- JX LP29** **BIG TOP FUN** Contains four programs to help children with words & pictures. £4.99
- JX LP37** **ROCKET MATHS** Times Tables. Take away. Add up & Divide. £4.99
- JX LP45** **MUSIC BOX** Excellent to introduce music. ages 7+. £4.99
- JX LP59** **PRE-HISTORIC FUN** Who likes Dinosaurs four excellent parts £4.99
- JX LP99** **PEG Wrote** for a nursery school. The idea is to build a picture with peds or coloured shapes. £4.99
- JX V776 AMOS LESSON 1** The best Amos Tutorial program. (APD151)

VIDEO PRODUCTION

- JX V48 TV & VIDEO GRAPHICS (8)** Packed with background screens for your video productions. Different types of graphic styles. **Peel**, takes an IFF Pic & peels it down the screen.
- JX V86 VIDEO PRODUCTION (2)** Packed with video & Genlock utilities.
- JX V415 VIDEO SCREENS** 1 Back ground pictures for video production
- JX V517 VIDEO & AMIN** video DB, a program for keeping track on your video tape collections. **RTAP**, lets you play large anims on small mem machines.
- JX V518 IMAGE LAB** This program is like a mini Art DEPT. **Tools On Top** Does lades, colourbars & gray bar
- JX V519 VIDEO: STILLSTORE** Used to create over the shoulder graphic inserts like the 90 clock news.
- JX V636 VIDEO: SHADES & FADIES ANIMFADER**, A utility to fade screens in & out. **SUPERVIEW** Will display IFF pictures. **TURBOTTLE** Create subtitles.
- JX V677 ANDROIDS VIDEO BACK GROUND** Selection of B/G Pictures.
- JX V687 VIDEO WIPES** A collection of IFF Brushes & background graphic effects.
- JX V693 HARLEQUIN VIDEO ART & FONT DISKS** A video production with excellent backgrounds & fonts (2)
- JX L27** **VIDEO: REAL 3D TEXTURES** Contains various excellent textures like Black marble, brick work, rough ice, Marble, Tiles, Water ripples & Wood. £3.50
- JX LP75 VIDEO LAB v1.0** Simple to use video tiling package. Genlock is not required. Req Two Drives £4.99
- JX FFP9** **FLETCHER FONTS A** three disk pack of 50 - 100 point 16 colour Video Fonts. Includes templates £9
- JX FFP10** **FLETCHER FONTS A** three disk pack of 50 - 100 point 16 colour Video Fonts. Includes templates £9 - Previously called packed in sets of 6

VARIOUS UTILITIES

- JX V16 FISH TANK SIM** A program that simulates an aquarium.
- JX V28 WORD WRIGHT & AMIGA SPELL**, Contains over 9,000 words.
- JX V109 PRINT STUDIO** Excellent for printing pictures or text.
- JX V191 MASTER VIRUS KILLER** Virus Checker & Killer. With Excellent options. Includes search disk.
- JX V194 M.R.BACKUP HD** Hard disk back up program.
- JX V195 GRAPHIC INTERCHANGE** Interchange graphics Between Atari ST/PC Graphics to the Amiga.
- JX V215 DISKMASTER v3.2** Copies files from one disk to another. **DISK SALV** Corrects & repairs bad tracks.
- JX V262 DUPLICATION & BACKUP** Super Dupr Turbo copy, Sanity copy & PCopy. Four new disk copiers.
- JX V277 FORTRAN-77 v1.3c** Compiler, linker & run time support libs.
- JX V279 CROSSWORD CREATOR** Creates crosswords. UPDATED VERSION
- JX V284 MCAD PROGRAM** The Object Drawing Program. ie C.A.D.
- JX V298 NORTH C v1.3** C language / Amiga. Includes all files required.
- JX V301 EYE OF THE BEHOLDER HINT BOOK** Inc Introduction, Back ground, Maps, Strategy & Solution.
- JX V323 ANALYTICAL SPREAD SHEET (2)** The best spread sheet.
- JX V330 RED SECTOR EXTRAS DISKS (2)** Loads of extra bits for RSI
- JX V332 AMIGA PUNT PROGRAM** Predict which horse will win with this horse prediction program.

JX V339 SPECTRUM EMULATOR DATA DISK 1

Adventure Classics
JX V350 BUSINESS CARD MAKER Design your own Business cards.
JX V365 RED SECTOR MODULES For use with Pro Tracker or RSI Demo maker
JX V366 600 BUSINESS LETTERS Over 600 Standard Business letters
JX V390 DESK TOP PUBLISHING Includes various extra features over the old Word processor, Text Editor & Graphics editor & many others.
JX V392 AMICASH BANKIN The best bank program that I have ever used on the Amiga. Very easy controls.
JX V394 CHEMESTETICS v2.06 Program that draws molecules using the calotte model. Excellent effects.
JX V401 WINDOWBENCH v1.0 (2) An excellent Workbench 2 replacement for all v1.3 users.
JX V413 WORK STATION Not just another WB clone. It's a collection of utilities with the Workbench theme. (2)
JX V417 SUPERBENCH & EXTRAS (2) An excellent re-placement disk with more utilities than the original.
JX V420 CURSOR BASIC COMPILER Compile any Amiga Basic program.
JX V423 C. COMMANDS This disk is filled with utilities which can be used in Startup-sequences
JX V424 ANTI FLICKER Said to stop the flicker in High Res mode during some Amiga program operations.
JX V431 IMPLODER v4.0 Reduces file size for storage on hard drives over your own disk collections.
JX V433 ANIMATION STUDIO An excellent Animation creator for you to make your own little animations
JX V444 PRINTER DRIVER DISK III Now contains instructions on how to install them. includes over 90
JX V445 JRCOMM v1.02 This is the latest version of the modem program.
JX V479 CHESS & CHESS UTILITIES A collection of chess related Puzzles.
JX V484 ADVENTURE SOLUTIONS (2) Solutions for various games.
JX V489 AMIBASE PROFESSIONAL v2.0 Latest version of the excellent Database program. NEW FEATURES
JX V490 MESSY SID v2.0 Will read MS-DOS disks. Transfer any text files to & from the PC. So you can do work on an IBM or an Amiga & swap text.
JX V493 DESKBENCH (3) This is an excellent Workbench replacement
JX V498 THIEF SOUND RIPPER v3.0 Finds all most all tracker modules
JX V499 STAR CHART v1.2 This is an excellent star plotting program with some interesting features.
JX V515 A64 PACKAGE v2.0 DEMO (2) PD version of the 64 Emulator actually runs faster than 64 Runs 64 basic.
JX V516 THE COMPLETE A64 PACKAGE v2.0 With interface & Full Commercial software. Transfers disks from your original 64 disk drive. Now in stock for £44.99 This is a Full registered version of the Shareware program.
JX V521 PLOTTING & GRAPHICS PLOTXY, A powerful full featured plotting prog. **PLANS A**, computer aided drafting prog. Requires ARP
JX V522 ARP v1.3 Conman v1.3c Makes many im-provements to Dos. Includes full developers guide.
JX V523 DICE C COMPILER (2) Matthew Dillons full featured powerful C compiler & environment system.
JX V536 CATALOGUE UTILITIES A collection of utilities used to Catalog disk/ Video & Tape collections (2)
JX V549 ELECTROCAD v1.4 Another Updated on the cad electronics drawing program written in Amos.
JX V554 R.S.I. MUSIC MODULES (2) Another selection of music from RSI.
JX V556 RED SECTOR HELP DISK Helps you use the RSI Demo Creator.
JX V560 DUPLICATION & BACKUP II A collection of copiers like Amiga Copy, Copy copy, PCopy, Rafflecopy.
JX V567 PRINTER DRIVER GENERATOR A selection of utilities with various excellent Printer Driver Generators.
JX V569 DUNGEON MASTER MAPPER A little tool that creates maps of dungeons, lands which can be used by a DM for use in AD&D
JX V570 DIRWORKER v1.51, File copier similar to diskmaster & Sid but contains more commands to hand.
JX V571 WHOM II v2.02 (2) The Dr Who database program. Gives all info on Dr Who programs.
JX V573 FILE & HD MANAGEMENT (2) **HDCLICK v2.0**, A program selector to make Hard disk Menus. Starts with gadgets. **FILE MINDER**, Utility for maintaining files & Directories
DOSCONTROL, Tool that combines the functionality of many separate tools.
JX V575 HOME BUSINESS PACK Excellent selection of utilities based on word processing, Data Management, Spread Sheets, Accounts & Printing (6)
JX V582 DB A Database with upto 50 fields, max of about 1.2 million records.
JX V583 KONEDITOR III v2.0, Can create icons upto 640x200 pixels, icons, Edit & Create any Amiga icon.
JX V587 GELIGNITE FONTS (2) A selection of fonts for use with any DTP Package or Dpoint disks.
JX V604 PD COPY v3.0 New disk copy with some extra commands & quick copy modes built in. (IMB)
JX V605 PRO CALC v1.0 Offers the C or Machine code programmer a 68000 or FFP calculator when in use. (IMB)

JX V606 SAMPLE MAKER v1.0

This works specially for those who are not able to make samples with a sampler
JX V607 PRO TRACKER v2.2 Written by Lars Zap Hamre. Another update to the Ultimate sound making program.
JX V610 GOLF SCORES v1.84 It will record each round you play. Store it, make up an eclectic score NEW! You can also show graphs of scores & performance against par.
JX V611 FOOTBALL LEAGUE EDITOR v1.0 Want to update your teams league position as the results come in.
JX V620 ASPICE v3.2 Circuit Analysis A full featured program for electric circuit
JX V621 EDWARD v2.2 is a fully featured & operational Word processor which offers all standard features & More like Powerful ones.
JX V624 NIB COPPER v2.0 Will copy in AmigaDos, Index & Nibble modes.
JX V625 NCOM v2.0 Contains, IHArc v2.0, IHArc v1.02, Zoom v5.40, DMS v1.03, IHA v1.1, IHA5FX v1.1.
JX V627 DPAINT FONTS No's 1-3 (3) The latest selection. Fonts for use with any IFF DTP Program.
JX V635 IBM EMULATOR v1.05 is a CGA Colour IBM-PC Emulator written to run on any Amiga. Shareware
JX V639 RADBENCH PLUS v2.0 Not just an update but a completely new set of utilities & Replacement.
JX V640 PAGESTREAM FONT PACK 1 A selection of fonts for use with Postscript DTP Package (5)
JX V645 UEDIT v3.00a Word Processor with learn modes, Online Help, A teach Mode, Split windows, copy & paste, undo & all standard features.
JX V646 SID v2.0 FILE MANAGER Sid can be used for various operations. The best is probably the file copier.
JX V647 WORKBENCH HACKS A selection of Hacks that have been reviewed in CU Amiga.
JX V648 TITANICS CRUNCHER v1.0 Cruncher with help & various protect modes includes speed changes.
JX V649 WP & SPELL CHECKING A Collection of utilities to help with your word processing needs. Spellcheckers
JX V650 CHECKBOOK ACCOUNT Will manage your bank account with ease.
JX V652 PAGESTREAM FONT PACK 2 A selection of fonts (5)
JX V657 PC TASK is a software IBM-PC Emulator. It allows you to run the majority of IBM software with no additional hardware. CGA Colour
JX V659 COMPUTER DIAGNOSTICS v9.1 Is there a problem with your computer! Then what is it.
JX V660 HOME MANAGER This is a great all in one address book with an inventory database & To-do list
JX V661 MODELLING - VERTEX Allows you to create 3d objects without using the X, Y & Z views.
JX V662 DCOPY v3.0 PRO You can select the speed of the disk drive. Copy modes, Dos, Nibcopy, Ver & safetycopy. Loads of other features.
JX V666 MODELLING OBJECTS Contains over 20 vector objects in image format. Perfect with Disk V661
JX V667 STAR TREK OBJECTS Contains the USS Reliant, NCC1701D & a landing pod a Porsche Car.
JX V668 PRODUCTIVITY / BUSINESS Stock Analysis program. **SURSTORE** Log Magazines with search scans.
JX V669 CELLULAR AUTOMA This electronic model will allow you to simulate cellular circuits.
JX V670 ANDROIDS FONTS 1-7 Set Installing font disks for use with DPoint programs (2) Drives Rec, 7 Disks.
JX V678 DRAW MAP v4.0 (2) Will now generate any 16 colour palette with user control. New features include larger maps with national boundaries, improved help & printing. 2Mb. (IMB version V2.63, 1.2Mb version V2.62)
JX V680 DISK OPTIMIZER v1.0 Re-creates Disks for faster Loading.
JX V681 GAME TAMER v2.2 Get a hold of that extra hard game & Cheat with Game Tamer v2.2.
JX V682 DEKSD v2.05 Hexa & Ascii Editor for use with your Amiga. Full Program but still Shareware \$15
JX V683 SUPER LOCK v1.01 Seal your disks / Hard drives for your eye's only. Protects with a Password.
JX V684 FONT FARM A collection of utilities based around the subject fonts. Character Editor v1.0, Font master v1.0, Showfont v3.3, Set Font
JX V685 ASTRO PRO ASTROLOGY The best Astrology program on the Amiga by far. See Amiga Shopper
JX V686 MULTIDOS v1.12 This is another must for people with PC disks. After this program has been installed your Amiga drives can read IBM Disks.
JX V688 MAGNETIC PAGES v1.30 This Shareware program will create disk based magazines with graphics.
JX V690 WORKBENCH v2.04 UTILITIES (2) This set contains the programs that should have been with WB 2.0. these powerful utilities take full advantage of the many NEW capabilities that are available in WB2
JX V692 RACE RATER v1.6 An excellent program for people who want information about races.
JX V696 POST v1.7 An excellent PostScript inter-pretter for the Amiga which implements the Adobe lang-

uage. Requires v39+ & ConMan v1.3

JX V698 AGRAPH v2.0 Brings the world a cheap Amiga program to draw Bar, Line, Area & Pie charts, for reports or presentations.
JX V700 PERM CHECK (PLUS) is designed to take the chore out of checking plans for winning lines.
JX V701 STRATA v1.0 is a landscape generating program. It allows printing of them from any angle, from any position, & with any magnification.
JX V702 EASY RAMOS FOR EASY AMOS This is the first update for Easy Amos user's. Requires Easy A
JX V703 AMOS UPDATER DISK v1.34 This update is a major update to the software. For example, you can now directly update a version of AMOS installed on a hard-disc.
JX V704 AMOS COMPILER v1.34 Contains the second Public Domain AMOS Compiler Update.
JX V705 MED v3.21 Excellent update to the famous music program Med.
JX V707 SCALEABLE CLIP ART This is completely new scaleable Clip pictures for Pro Draw
JX V710 AREX TUTORIAL Includes several sample Arex scripts & sample progs. Also APIC: Library.
JX V711 UNIX Contains a working demo of Unix, A Unix worktable. Minix is system call compatible.
JX V712 PROTEUS BBS An excellent program for modern & Hard Drive user to start their own BBS
JX V713 COMUGRAPHIC FONTS Contains 2 clipart style fonts & 4 actual typefaces for use with WB 2.04+ & desktop publishing &/or video projects.
JX V714 24-BIT Contains Rend24 which allows you to proof toaster generated 24-bit anims.
JX V715 THE COMPLETE BIBLE With the entire text of the New Testament & Torah (Old Testament). 1Mb (3)
JX V718 SPECTRUM EMULATOR v1.4 Which is NOW!! 3 times faster. Requires a spectrum computer once.
JX V719 FREECOPIE v1.8 Removes protected games copy protection so that the user can install them on HD
JX V720 DISKPRINT v3.51 A label database which printers & stores disk labels. combined database & print utility for disks. Works fine with every printer
JX V723 BOOT INTRO CONSTRUCT ION SET A collection of utilities to create excellent Boot intros.
JX V724 PRINTER DRIVERS v4 This is an updated Drivers disk. Canon LP8, Canon Bubble jets & Star 9 pin.
JX V725 THE SUPER KILLERS v2.6: BOOT X v4.50, This is the best virus killer disk to date kills over 262 virus & may be more. Includes excellent killers. Including VC v6.06, Zero virus III v1.21 & VT v2.41.
JX V726 COPPER EDITOR v2.0 Enable you to create those nice colour lists found in games like Turman II
JX V727 THE ART OF MED 2 A another excellent select of Med tunes.
JX V728 MOBED II This is a movable object Sporte Editor
JX V730 ICON MANIA An excellent selection of icon clip Art for your WB Disk
JX V731 AMOSBROT v1.1a This update has even more fractal types which include Logistic Equation, Coast lines & trees see As for reviews.
JX V732 WORKBENCH v2.04+ UTILITIES 3 DCopy, Boot menu writer, F-PC, Sciency, Huge, OED.
JX V733 SOFTWARE LISTER v1.6 This program is designed to keep a track of your Software collection.
JX V734 THE MAIN EVENT v2.0 This autoscheduler will execute programs / script files at any given date.
JX V735 MEMORY MANAGER v1.1 Select any amount of Chip / last ram
JX V736 THE DESK TOP HARPSI-CHORD Instrument simulator program
JX V740 POWERBENCH v1.2 The Workbench disks with more Power. This 2 disk set has been crunched & Optimized for maximum storage. (2)
JX V742 ONLINE v1.4 Program will allow you to find cheats within games.
JX V743 TERM v2.0 This is the best modern program on the Amiga. recommended if you have Work-Bench v2.04+ & a modem. (2)
JX V745 THE PROFESSIONAL C MANUAL v3.0 This is the largest collection of documents, examples & utilities in C for the Amiga. It consists of six manuals, with more than 40 chapters, 175 fully executable examples complete with source codes. Full instructions for C (1) (2) Uncrunched & only (1) (5) crunched Disks F691-F695
JX V757 AMIGADEX v1.61 Creates / converts your Amiga into a card Database system. Very well done.
JX V758 TEXTPLUS v4.0e Another update of this excellent Word processor program now compatible with The professional typesetting prog found in the Fish collection. Crunched
JX V759 TEXT ENGINE v3.4 Updated version of the Word processor with AZSPELL. Excellent spell checker
JX V760 BOOTX v5.01 An easy to use boot, file and link virus killer. Has lots of options to detect & kill Amiga Viruses.
JX V761 A-GENE v4.18 The latest version of the popular genealogy database program. By Mike Simpson
JX V762 BBASE v5.5 Simple database will extra features like fast searches, mailing label support, and best of all it's easy to use. Max 9 Fields
JX V763 GRAPHIC PRODUCTION UTILITIES Collection which contains Scenery v1.0, Landscape, Landbuild v3.2, Cloud 9, Genesis demo.
JX V764 AMPP v0.9 An excellent painting package like Dpoint. Amos
JX V765 MEGACOLOUR v1.0 A

program which transforms a B/W screen

into a full colour screen (320x256,64)
JX V769 WORD POWER is an excellent spell checker / Database
JX V770 ACCOUNT MASTER v1.02 Excellent Amos written Account program
JX V771 RAINBOWEN PRO v3.11 Produces coloured Rainbow patterns
JX V773 WB v2.04 WINDOWBENCH v2.0 Excellent Workbench replacement for all WB v2.04+ Rom Users (2)
JX V777 VOICE CU The idea is to control the CU/Shell with your voice
JX V778 RAYSHADE v4.0 Complex Ray tracing package. 2Mb (3)
STAR TREK
JX AT05 KLINGON D7 CRUISER fires torpedoes while passing by NCC-1864
JX AT10 ENTERPRISES, Leaves the Star station dock. NCC 1701-A, The classic original Animation.
JX AT22 APPROACHING VESSELS, Animation, Binary Flight Wireframe
JX AT23 STAR TREK FLEET MANUEVER NCC-1940 fly over & by animation. excellent classic.
JX AT33 THE PROBE II Animation. BRID OF PREY Anim from Star Trek.
JX AT34 LEAVING SPACE OFFICE, Animation. DOCKING, Animation from star trek. **ATTACK MODE**, Bard of Prey Scout hip in attack mode.
JX 1060 STAR TREK THE NEXT GENERATION, This game is by Terry A. Mc Intosh. v1.47
JX 1081 THE ULTIMATE STAR TREK (2) Game by Tobias Richter. Now with English instructions.
JX 2222 STAR TREK THE NEXT GENERATION This is the latest quiz game based on the Next generation (2)
JX 2501 STAR TREK Game / Jimbo Barber, American version 1Mb & (2)
JX 2503 STAR TREK Game by Eric Gustafson US Inport 1Mb & (3)
JX V367 STAR TREK INFO A Database of all the original series.
ERIC SCHWARTZ (IMB Mini)
JX 981 STEALTHY MANUEVER II *
JX 1085 F-16 SWISS FLYING *
JX 1609 NAVY AGGRESSOR, SOVIET SOFT LANING, STEALTH BOMBER *
JX 1700 ANTI-LEMMINGS (2) 2Mb
JX 1703 DATING GAME (2) 3Mb
JX 1842 SHUTTLE COCK *
JX 1850 LADE NIGHT / TERMINAL *
JX 2013 AGILITY *
JX 2021 VIETNAM CONFLICT *
JX 2133 GULF WAR CONFLICT 2Mb
JX 2307 AMY AT THE MOVIES II (4)
JX 2311 AMY vs WALKER II (2) 3Mb
JX 2384 AMY AT THE BEACH (2) 3Mb
JX 2427 CAMOURFLAGE *
JX 2430 POGO II 2Mb
JX 2474 AMYHIST Introduces Amy the squirrel to your Amiga screens.
JX 2475 BATMAN & VIOLET CONTEST *
JX 2476 HOW TO RUN INTO A WALL, Very funny Animation by E Schwartz
JX 2477 AMYWALKS ANIM of Amy the squirrel Walking, & **AMYJOGS** *
JX 2478 UNSPORTING Starring the A10 Thunder bolt aircraft better known as the Warhog. Hunt & Destroy tanks. 2Mb
JX 2499 ERIC SCHWARTZ TOR *
JX 2500 THE SKY DRIVE *
GAMES
JX 1073 TETRIS ORIGINAL This is the closest game to the original Tetris
JX 1420 DTRIS Best 2 Player Tetris
JX 1486 SOLITAIRE & SOLITAIRE ROYAL
JX 1561 TRITWIS Contains 1 player, 2 player & 3 Player game options.
JX 1735 ASTEROIDS 'THE ORIGINAL' Another old classic. Original classic
JX 1747 LLAMATRON Game 2001 By Jeff Minter Brilliant stuff & An excellent production. Shoot to kill
JX 1749 SCRAMBLE 'The Original' Remember that old classic game
JX 1870 PATIENCE'S, This is the best version to date. **DOMINOS**, Play vs the computer or another player.
JX 1977 POM POM GUNNER Shoot down the incoming world war II air planes in this Operation Wolf game
JX 2018 JETMAN Another Spectrum classic converted to the amiga. It's JetPak with all the original sounds.
JX 2022 SEA LANCE The first Silent Service type sub war game on PD
JX 2054 ATIC ATAC A rendition of the game from the original Spectrum
computer. Graphic Maze adventure
JX 2162 BATTLE OF BRITAIN WAR GAME 2 Strategy war games which both need loading through Wb.
JX 2164 DUNGEON ON NADROJ This is the best Dungeons & Dragons Public domain type game. Load Wb
JX 2173 CARD GAMES, Various card games filled Caribbage, Blue Moon, King, Patience & Hearts.
JX 2178 SURVIVOR A space based adventure game within the Aliens theme. Nice colourful graphics
JX 2180 SKODA CHALLENGE An excellent 4 player hotrod game written in Amos. Simple but good fun.
JX 2199 PARACHUTE JOUST you are falling down to earth. & must take the Parachute from the other player.
JX 2220 STRATEGIC GAMES Eternal Rome, Lords of Hosts, In Moonshine. An Excellent collection of games.
JX 2221 MIND GAMES 21 of the best Mind games to challenge your mind not your shooting skills.
JX 2224 SWORD OF THE WAR LOCK A Bard's takes / Eye of the Beholder adventure game packed on three disks. This is Shareware (3) 1Mb (2) Drives
JX 2272 BLACK JACK LAB Play Parolun upto 7 Players. The computer plays banker. All popular versions.
JX 2278 CARD SHARP A very professionally presented selection of solitaire type card games. Excellent.
JX 2279 SUB ATTACK v1.0 Control the torpedoes & sink the enemy ships as they sail past. **LANDMINE**.
JX 2280 DIPLOMACY Classic strategy game loosely based on World War 1. 2Mb for computer player
JX 2313 REVENGE OF THE MUTANT CAMELS by Jeff Minter The ride of a life time with mutant camels
JX 2396 PETERS QUEST This is truly an excellent platform game.
JX 2411 TOTAL WAR The board game RISK as reviewed in Amiga format. An excellent production.
JX 2432 GOLDEN OLDIES Galaga, Galaxians, Space Invaders, Asteroids, Batty & Missile Command.
JX 2447 AMOS COINDROP FRUIT MACHINE Excellent simulator with various gamble modes. Great fun...
JX 2448 CRAZY SUE This is another first rate platform game. You control a cute little space girl.
JX 2450 SMASH TV - THE RIP OFF Similar to the original arcade machine. With neat graphics & sound
JX 2480 AMOS FRUIT MACHINE II As near as possible to the fruit machine found in Pubs & Arcades.
JX 2481 AMI MORIA v3.0 This is the latest update to the Original Moria adventure game. Better graphics, & the largest adventure to date.
JX 2482 DESCENDER is a clone of the classic arcade game Tempest complete with vectorized graphics.
JX 2483 INTRUDER is a Multi level Berserk done which features smooth gameplay, great graphics & sound.
JX 2484 CATACOMB v1.7 A graphical adventure game set on a small island in the middle of the land of EXOUSIA. Your quest is to discover secrets & treasures of this underground maze **NEW VERSION**
JX 2485 IRON CLADS (IMB) Update to the excellent Strategic War Game (2)
JX 2487 CLASH OF THE EMPIRES Another excellent Strategic War Game by T.A. Sear (2)
JX 2489 COLOSSAL CAVE v1.0 is virtually identical to the original classic.
JX 2490 RUMMY Graphical card Game
JX 2491 LEGEND OF LOTHIAN v1.02 is an adventure game in the vein of the Ultima game series.
JX 2494 HUNCHBACK This is a conversion of the old classic game.
JX 2498 AMOS CRICKET Excellent arcade cricket simulator with neat graphics.
JX 2535 SUPER PACK MAN 92 This is the best Pack man to date with super smooth scrolling and excellent graphics. Playable & Addictive.
JX 2550 E-TYPE Asteroids space adventure where you jet around collecting new weapons.
JX 2613 DUAL is a 2 player game where you each control a armoured tank with rocket.

computer. Graphic Maze adventure

JX 2614 TETRIS is a 1 or 2 player Tetris game written in Amos. 2 player game is Head to Head
JX 2615 WAR is a space strategy war game. in which you control a fleet of space craft.
JX 2616 RUSHOUR is a game in which you control a character who's needs to cross the road. Like Frogger but with more features.
JX 2617 TRAILBLAZER is a classic from the C64. Race / Bounce along a fast moving track.
JX 2619 BIPLANE is an excellent 1 or 2 player shoot em up ported from the Atari original.
JX 2620 Dr MARBO A Strange Tetris like game with move coloured pills down the screen.
JX 2621 ETERNAL ROME Start the roman from 32BC. Build fleets, armies & send them into battle.
JX 2622 DONKEY KONG An excellent platform game in which you must rescue the girl.
CLIP-IT CLIP ART COLLECTIONS
JX CA1 (5) Sports, Flags, Animals, cartoons, Humorous, Xmas, Jewish, borders, Halloween, Valentines, eyes, alphabets, hands, zodiac, cars.
JX CA2 (5) Men, woman, illuminated A to Z, arrows, stars, explosions, horoscopes, cartoons, pointing hands.
JX CA3 (5) Fruit, Herbs, Meat, Arrows, Special Occasions, Vegetables, Kitchen Utensils, Cups, Glass, Art Deco, Breakfast.
JX CA4 (5) Art Deco, Babies, boys, girls, lots of Humorous, illuminated A to Z, scrolls, special occasions
JX CA5 (5) Christmas Pack over a & 20th century from latter christmas to borders to trees & borders.
JX CA6 (5) Mythological Monsters an excellent pack of creatures from all over the world. Japan, Europe, India, North America, S.America ect.
JX CA7 (3) Pictures of the most popular flowers, plus arrangements, silhouettes, flowers in vases, typesetting borders.
JX V689 WALT DISNEY CLIP ART
JX V497 BEATRIX POTTER CLIP ART
LICENCEWARE £3.50 Each
JX L28 WORLD CHAMPIONSHIP BOXING The first boxing arcade game on the Amiga.
JX CL13 TYPING TUTOR A fraction of the cost of any commercial program, & contains full instructions.
JX CL15 SAS MENU MAKER An easy to use menu maker with full documentation. You can design logos with Dpoint for use with this program.
JX CL15 ACHORDE A Great program for anyone wanting to learn to make use of a Guitar.
JX CLG10 FUTURE SHOCK Use your joystick to guide your spinning ball around the screen.
JX CLG9 MOTOR DUAL Excellent Solid 3D Graphics. Travel around 4 NEW tracks & Fire Missiles. You can Now link two machines together with a Null Modem lead.
JX CLG8 DRAGON TILES This game is thousands of years old. Yet is still played. Reviewed in AF37
JX CLG7 WILLY'S WATER WORKS This game is a conversion of the classic Pipemania. Excellent
JX CLG5 TRUCKING ON 2 (2) You own trucks driving around Australia & run the company. NEW UPDATE but NOW requires 2 Disk drives & 1Mb
DEJA VU SOFTWARE £4.99
These disks are NOW commercial disks
We NOW Stock all of the Titles.
JX LP35 T-TECDRAW The best Drawing program with it's field. recommended by PD-Soft
JX LP42 X-STITCH Create / Design patterns for use with knitting. Another program Rec by PD-Soft
JX LP44 FORMULA ONE The best Formula one management game on the Amiga. BEST SELLING
JX LP47 DIRTY CASH v1.06 Has been hailed as the best fruit Machine Simulator available.
JX LP71 AMOS BATTLE CARS joystick controlled racing game for one or two player.
JX LP77 POWERBASE v2.1 The latest version of this excellent powerful Database program
JX LP89 SKYBASE 22 Arcade/strategy game in which you must take all eight sectors of Skybase 22
JX LP93 LC200 FONTS Many more fonts fonts
JX LP98 POWERTXT This is a very good Word Processor. The best feature is a built in spell checker. disk contains full instructions.
JX LP100 SPRITE EDITOR II Enables you to design sprites and icon images in a friendly & easy way.
JX LP101 MORSE CODE TUTOR If you want to learn Morse code this program is a must.
JX LP102 DISTANCE ESTIMATOR This is an amateur radio utility which calculate distances
JX LP104 MONEY MONITOR A home accounts utility that can keep track of upto 3 separate bank accounts. Easy to use. Full instructions.
JX LP105 SUPER SKODA REVENGE A car racing game on a split screen for two to 4 players.
JX LP106 ORGANISER! Set out like a filofax with five sections Calendar, diary, Names & address, Note book & prefs. Contains full instructions.
TOP DEMO DISKS
JX 1 X 2623 TIME ZONE / TRIS (2) (New)
JX 2 X 2629 CRITICAL MASS / PARALLAX (2) (New)
JX 3 X 2625 DEJA VU / ANARCHY * (New)
JX 4 X 2633 XPOSE / THE SILENTS (2) (New)
JX 5 X 2627 KAROKE (GOSPEL) / COMPLEX (New)
JX 6 X 2631 REFLECT / SOUND VISION (New)
JX 7 X 2611 RAVE VISION / INTENSE
JX 8 X 2524 MELON / HUMAN TARGET
JX 9 X 2590 SWEET REVENGE *
JX 10



MAGGIE 2
NBS, DISK 5585

DEMO

Remember *The Sword of Tipu Sultan*? Who could forget it, let's face facts. Well George Martin, the coder, has done it again! *Maggie 2* is another bizarre mish-mash of graphics, words and very strange ideas.

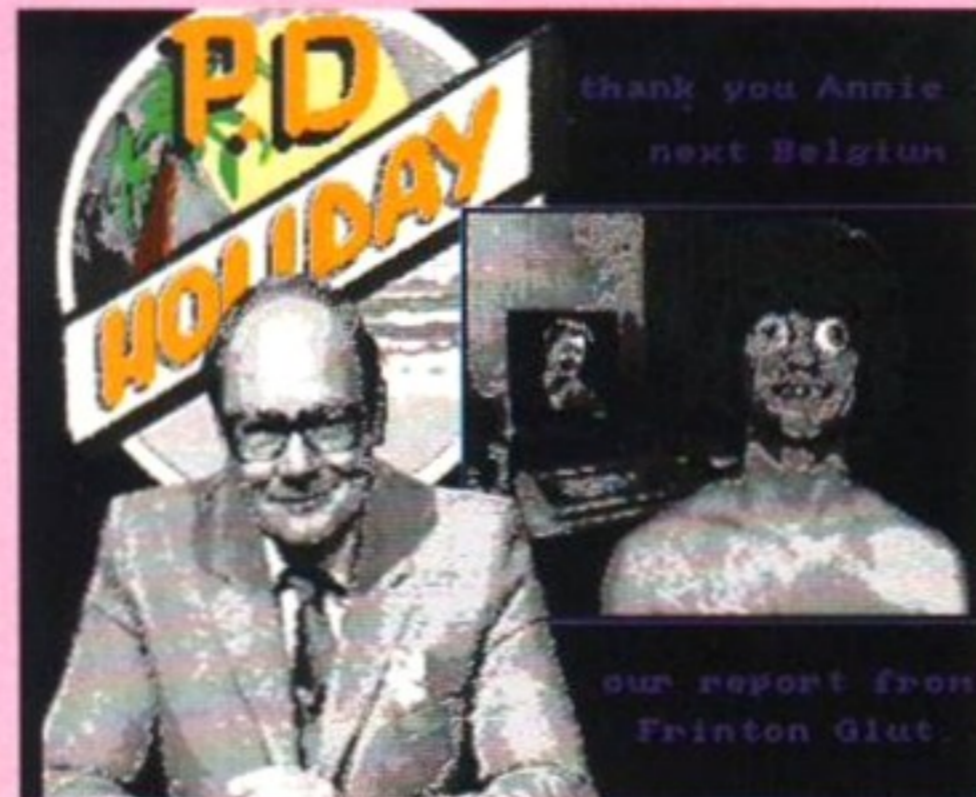
The story begins after Maggie Thatcher has been 'slightly' knocked down by a bus, and is hor-



People on the telly always seem smaller in real life don't they? Well apart from Aneka.

rifically scarred. Plastic surgery is performed, and when the bandages are removed Aneka Rice is revealed! We then cut to a holiday show with Cliff Michelmore, where Aneka is visiting a PD library in The Isle of Wight! See, told you it was weird...

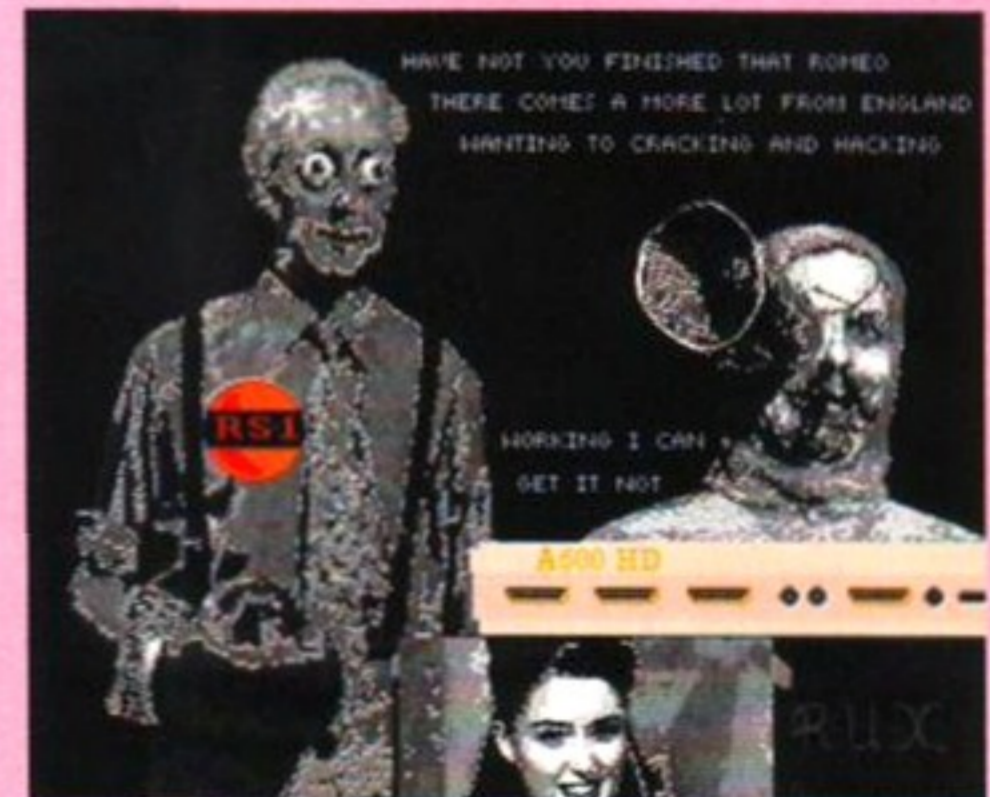
The holiday programme continues in Belgium where a bloke is trying to get his A600HD to work, this is where a Spike Milligan influence is pretty apparent (remember the Q series?). Anyway, because it's all getting a bit too strange for the



And now over to Belgium, where the latest craze is Jonathan King impersonations...

public interest, the demo introduces Inspector Morse to put a stop to all the silliness. No real ale and vintage fast cars here, though. Instead a nice character called Bert Slipper is then introduced who likes goody-goody things like painting and fluffy animals. Hmmm.

Not as strange as *Sultan*, but it's very close! If you can imagine Spike Milligan with a Monty Python feel, then your mind is probably warped as well and this will suit you down to the ground.



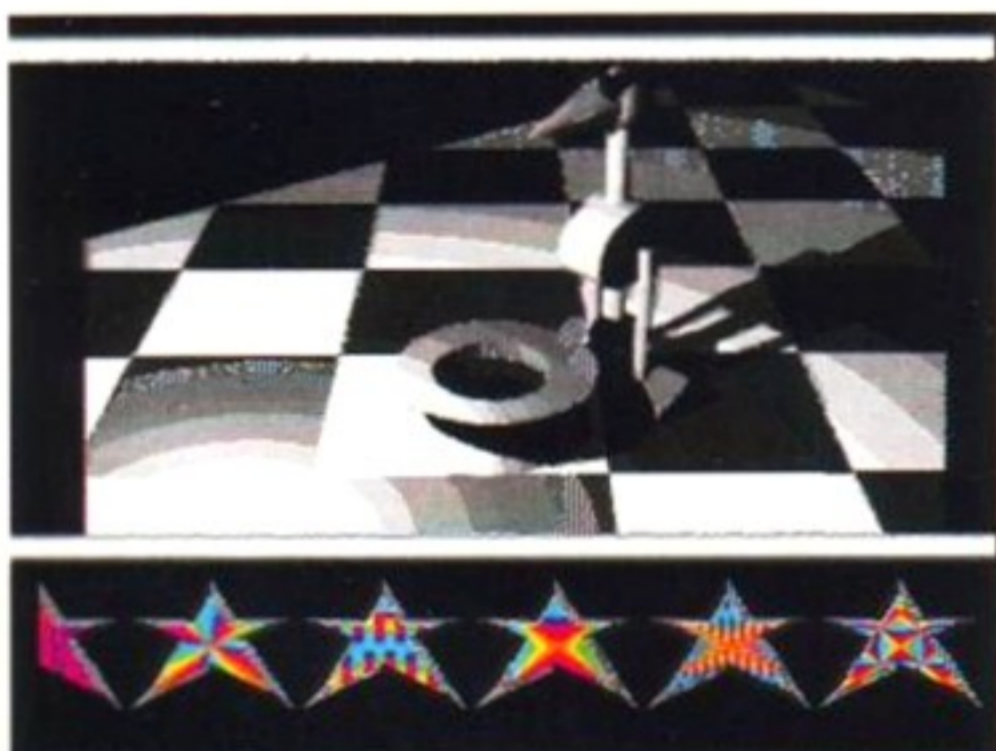
This month's superdeal from Specsavers is the Eye Trumpet. Improves vision by enlarging your eyes!

too hot, but played via a good monitor speaker it is listenable enough.

An interesting demo with some nice features, but let down by a couple of points. For instance, the lip syncing on *The Penguin* is nothing short of terrible, and it would have been easy to make it look really good. Also, it seems that some of the screens are digitised and some are hand drawn - maybe I'm wrong, but it looks that way. Why not stick to one particular style? To cap it all, the *Batman Returns* logo at the end shows a version of the Dolby logo with 'Dolby Sterio' (sic) written on it. How can anyone spell Michelle Pfeiffer correctly and mess up with stereo? A minor point though. All you *Batman* fans, waiting with bated breath for *Batman Returns (Again)* could do worse than to check this out.

DYNAMIC ILLUSIONS
17 BIT, DISK 2160

DEMO



The graphics in the story are pretty good, but this bit of ray-traced animation at the end is the best bit.

This has all the credentials to be 'just another megademo' - vector shapes, plasma effects, scrolly text and such like, but fortunately it isn't. For this demo, Quartz have taken these usual megademo features and used them to describe a sci-fi story.

Originally from *2000 AD* and used in several feature films, the tale describes a spacecraft which leaves

Earth in search of a new planet to colonise. After hyperspacing to a likely point 1,600 light years away, the crew discover that the planet is in fact Earth itself, but many years into the future...

Although the story is quite old and there's nothing special in the way of graphics, the demo works because of the good presentation and fast-moving soundtrack. The introduction is especially atmospheric, with an earth-shaking bass note and a couple of good thunder-clap samples.

But wait! That's not all. After the story finishes, the demo continues with a ray traced animation featuring a nodding bird balancing on a thin wire (yes, you remember - like the one you bought your Mum all those years ago from that visit to Blackpool) and some extremely colourful text.

Dynamic Illusions is an excellent demo with a good atmosphere, some nice graphics and an old but workable story - this is how megademos should be.

RSI: TIME ZONE
17 BIT, DISK 2159

DEMO



Hang on, that's the bloke what got his head cut off by the Black Vegetable, isn't it?

Another megademo! This is a very good one, of a high quality which we have come to expect from RSI over the years. OK, so the usual things are here (vector shapes and the like), but they are used sparingly which

makes a refreshing change. Also, the coders have managed to convey their messages without any scrolly text, which is a definite plus!

The music's great, with excellent piano and bass samples creating a good atmosphere. The graphics are fab too (even if you do have to get through the credits to see them) and vary in style throughout the demo. And technically? It's excellent - so what are you doing sitting there? Get it now.

TOP TEN DEMOS OF THE MONTH

Every month we print a chart of the top 10 demos from a popular PD library. This week, it's the turn of...

NBS

1. Decay: Get Frogged PD 154
2. Rolling Music PM 146/147
3. Sweet Revenge (2Mb Required) PP 046
4. Analogue: Falling Up PD 167
5. Alcatraz Odyssey PD 130-134
6. Terminator 3 PD 151
7. Maggie RIP S 585
8. Unsporting (2Mb Required) PP 050
9. Silents: Exposé PD 171/172
10. Piece Of Mind PD 170

WHERE TO GET THE DISKS IN THIS ISSUE

NBS:1 Chain Lane, Newport, Isle Of Wight, PO33 2QQ

17 BIT: 2-8 Market Street, Wakefield West Yorkshire, WF1 1DH

Virus Free PD: 31 Faringdon Road, Swindon Wiltshire, SN2 2LS

Darren Collender: 122 Topsham Road Tooting Bec, London, SW17 8SP

NEW COMPETITION

Test yourself against Indiana Jones and Batman or take the ultimate challenge against Robocop.

**CALL THIS NUMBER
(0839) 550 060**

**WIN THIS AMIGA 500+
AND
A PHILIPS 8833 COLOUR
STEREO MONITOR**

**Competition
ends 31st October**



PLUS

- Cartoon Classics ● Lemmings ● Captain Planet ● Bart Simpson
- Paint III - with animation ● Workbench 2 ●

PLUS

- Hollywood Collection ● Robocop ● Batman - The Movie ● Indiana Jones ● F19 Stealth Fighter ● Wicked 30 Game Pack ●
- Another 50 great games ■ Microswitch Fighter joystick
- Dust Cover ■ Mousemat

ALL THIS COULD BE YOURS - JUST CALL

0839 550 060

ENTER AS MANY TIMES AS YOU LIKE. IF YOU DON'T RING YOU CAN'T WIN
So call now to win this fantastic prize

Calls cost 36p (cheap rate) and 48p (at all other times) per min. inc. VAT

T.P.P. Ltd, Berwick upon Tweed TD15 1AB. Please ask permission before you call

Your name may be passed on to other responsible companies who may send special offers and promotional literature. If you do not want this please write to the above.

TECHNOMANIA



SAVE £12

Featuring ...

TECHNOSOUND Turbo

BRITAIN'S No1 Sound Sampling System
"EVERY AMIGA OWNER SHOULD HAVE IT" - Amiga Format

ONLY £27.99 NORMAL RRP £39.99 **SAVE £12**



- ROMBO**
- RGB Colour Splitter**£39.99 **SAVE £40**
- Take 2 Animation**.....£34.99 **SAVE £65**
- POWER**
- Hand Scanner V2.0**£94.99
- Itsa Mouse**£12.99

ORDER FORM

PLEASE SEND ME

Name

Address.....

I ENCLOSE CHEQUE/PO FOR.....

FIRECREST DISTRIBUTION
P.O. Box 39,
ABERGAVENTNY, GWENT NP7 6XL.
TEL (0873) 850028

**ADD £2.00
PER ITEM
P&P**



FontShop

Good News for Amiga Desktop publishers
Introducing -
Adobe Type 1 fonts

- RoostHeavy** **Orleans**
- Black-Chancery** **HotShot**
- LowerEastSide** **Columbus**
- Polo-Semi-Script** **Laser-London**
- STARBURST** **DUO-TONE**

For use with Pagestream (all versions) & Professional Page 3.0
7 volumes - 50 fonts each - £10.00 per volume

JUST ARRIVED!!

Compugraphic fonts
use with Pro.Page 3.0

WorkBench v2.0 / PageSetter 2

4 Volumes - 50 fonts each - £12.00 per. volume

Cheques (with Bank card No. and Expiry Date on reverse)
or Postal Orders. - Enquiries send S.A.E for printed Type examples
Post UK - FREE, Europe £1.50/vol. Rest of World £2.50/Vol.

FontShop (Dept A/F)
22 Sincil Street, Lincoln, LN5 7ET
Tel: 0526 398403 Fax:0522 546131





**UNIT 1,
253 NEW
WORKS RD,
BRADFORD,
BD12 0QP**

**SALES
0274 691115**

FAX 0274 600150
**ACCESS, VISA,
SWITCH, DELTA
CONNECT
AMERICAN
EXPRESS**

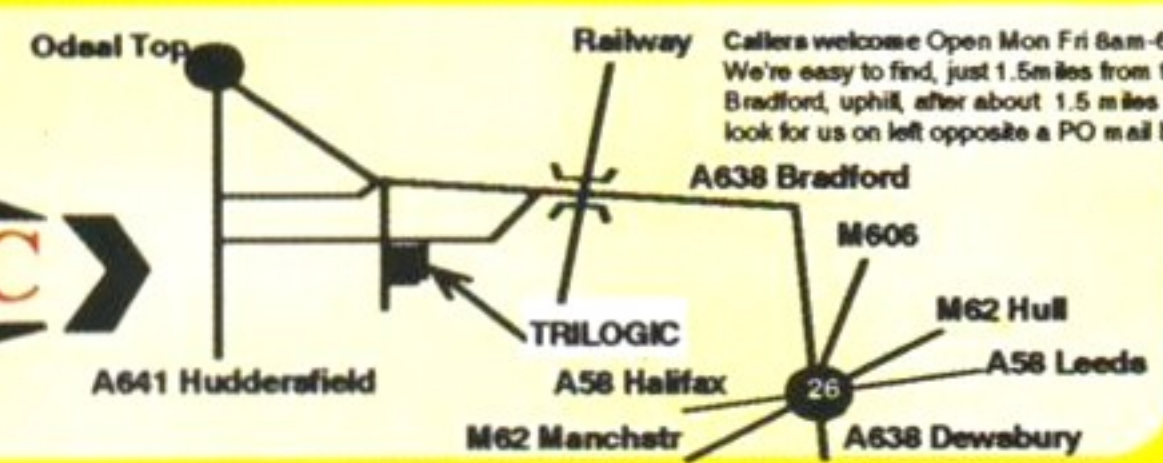
**FAST MAILORDER SERVICE
SAME DAY DESPATCH***

ORDERING IS EASY

- 1) Order by phone using your credit charge, or debit card.
- 2) Order by Mail - sending cheque, bankers draft or postal orders made payable to TRILOGIC.
- 3) Please add part postage & packing of £1.00 to orders under £100 or £2.00 to orders over £100. 48hr delivery - add £3.50. Overnight carrier - add £5.50. (May take longer for outlying, remote areas, UK Mainland only). Saturday delivery - add £12.00. Datapost service available P.O.A.

*Subject to goods being in stock & orders received before 2.30pm. Goods remain our property until paid for in full.

EXPORT ORDERS WELCOME
Deduct 17.5% vat, contact us for carriage charges. We export daily to most countries. Payment in Sterling only please.



Callers welcome Open Mon-Fri 8am-6pm, Sat 8am-4pm.
We're easy to find, just 1.5 miles from the M62. Easy parking. Leave M62 at junction 26, take A638 to Bradford, uphill, after about 1.5 miles & just past the park, turn left once over a railway bridge. After 1/4 mile, look for us on left opposite a PO mail box.
NOW OPEN SUNDAYS FROM 10-4PM

DESKTOP VIDEO PERIPHERALS

ROCGEN PLUS A superb value Genlock with overlay & fader controls + RGB pass thru.	£139.99
HANDY SCANNER In our experience, this is by far the best B/W hand scanner in this price bracket. 400dpi, 64 level grey scale + excellent Datacan professional 2 software.	£99.99
ROC KEY The ideal partner for the RocGen Plus. This add-on 'Keying' unit enables professional effects such as Chroma keying, luma keying, Key through, Graphics overlay, key window etc.	£229.99
VIDI 12	£94.99
RGB SPLITTER Roabo type	£57.99
SUPERPIC	£499.99 Frame grabber, colour digitiser & genlock in one unit.
COLOURPIC	£419.99 Frame grabber & colour digitiser in one unit.
RENDALE 8802 GENLOCK	£144.99
RENDALE SUPER 8802 SVHS GENLOCK	£499.99 Semiprofessional SVHS Genlock - excellent value. Foreground & background modes; Super VHS input & output; Com posite video input 7 output; hardware controlled fades; cross fade Amiga to video; fade to black; several powerful 'wipes'.
Q2 VIDEOCENTRE PLUS	£1099.99 SVHS Genlock
OPALVISION 24bit Graphics & Video system	£789.99 Complete with Opal paint & Opal Presents 24 bit graphics & presentation packages + King of Karate - the first 24 bit game!
EPSON GT 6000 FLAT BED COLOUR SCANNER	£919.99 16.7 Million colours; 256 level grey scale. 300dpi resolution.
DIGVIEW GOLD DIGITISER (the best for use with a camera) + DIGI PAINT 3 + ELAN PERFORMER . ALL 3 FOR JUST	£139.99

NEW

SPECIAL TRILOGIC PRODUCTS

5 PORT PRO-MIDI INTERFACE Our unique 5 port Midi interface has 1in, Out & Thru sockets plus two additional switchable Out or Thru sockets for ingenious versatility. So you can have 1 in, 1 out & 3 thru, or 1 in, 1 thru & 3 out, or 1in, 2 outs & 2 thru! Fully compatible with all Amiga Midi software, & most keyboards.	STEREO SAMPLER 2 Our Superb sounding STEREO SAMPLER 2 uses an expensive state of the art A/D chip which samples so fast, it captures every detail of the sound. Easily adjusted level control, connecting lead supplied. Fully compatible with all popular sampling software. FREE STEREO SAMPLING SOFTWARE with variable sample rate (upto 48000 samples per second in mono, 23000 samples per second in stereo), variable replay speed, & editing commands.
NOW ONLY £24.99	NOW ONLY £34.99
Extra Midi lead 1.2m	£1.99
Extra Midi lead 3m	£3.99

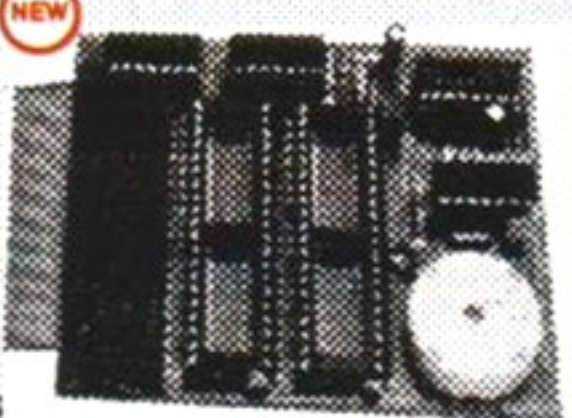
SUPERFI 2 STEREO SYSTEM - HI FI QUALITY.

We've looked high & low for a POWERFUL, TOP QUALITY Stereo speaker system for use with Computers, keyboards, Stereo VCRs, Satellite Systems & Walkmans. Now we've found one - it is a 20 watt per channel, directly mains powered, 3 way speaker system. It has Bass, treble & volume controls & comes with connecting leads. Frequency response: 32Hz - 20KHz. **ONLY £54.99**

ALSO AVAILABLE - ZYFI STEREO SYSTEM inc separate mains power supply **£32.99**

AMIGA ROM SWITCH

Our Keyboard operated two way Rom switch enables you to use either of 2 Workbench roms. To switch over, just hold down Control/Amiga/Amiga keys until you hear a beep. (Release them before the beep to 'warm start' with the current rom. Fits A500/500+/600/1500/2000.



ONLY £27.99 (excl roms)
Fitting invalidates computer warranty unless fitted by us. Fitting charge £15.00
Please state which you have Amiga when ordering.

SPECIAL PRICES
ROM SHARER & 1.3 ROM **£54.99**
ROM SHARER & 2.01 ROM **£54.99**

MICE & JOYSTICKS

ULTIMATE PRO ANALOGUE JOYSTICK
Superb low cost smooth action Analogue joystick with fire button on the end, plus prestable X & Y trimmers, Microswitch fire buttons; autofire (not all games support autofire) Ideal for flight simulators etc (Not all games support analogue joysticks)
Only **£19.99**

MOUSE / JOYSTICK PORT SWITCH
£12.99
* Has sockets for mouse & joystick.
* Push button selects mouse or joystick.
* Uses no power unlike other types.
* Compatible with many dongles.
* Saves wear & tear on mouse port.

NAKSHA MOUSE + OPERATION STEALTH OUR PRICE **£24.99**
Includes Mouse mat & holder

BUDGET REPLACEMENT MOUSE	£14.99
SOQUICK MOUSE™	£15.99
CDTV KEYBOARD	£49.99
CD TV TRACKBALL CONTROLLER	£69.99
GRAVIS MOUSE STICK	£65.99
DELTA 3A ANALOGUE JOYSTICK	£14.99
PRO QUALITY ANALOGUE JOYSTICK	£19.99
ZIPSTICK AUTOFIRE	£13.99
MEGA STAR HEAVY DUTY JOYSTICK	£26.99
SPEEDKING AUTOFIRE	£11.99
OPTICAL MOUSE	£37.99
MOUSE MAT	£3.99
MOUSE HOLDER	£1.99
JOYSTICK EXTENSION LEAD (3m)	£2.49
PC ANALOGUE JOYSTICK CONVERTER	£7.99

DISKS & DISK BOXES

ANTISTATIC, LOCKABLE, WITH TINTED LID & DIVIDERS.

20 SIZE FLIP TOP BOX	£1.99
40/50 SIZE LOCKABLE BOX	£6.99
80 SIZE LOCKABLE BOX	£7.99
100 SIZE LOCKABLE BOX	£8.99
160 CAPACITY POSSO STACKABLE DRAWER TYPE	£19.99
TDK BRANDED inc labels in Plastic storage box - pack of ten	£8.99
UNBRANDED inc labels	£5.99/10
3.5" DRIVE HEAD CLEANER	£4.99

Use regularly for greater reliability

SPARES, ACCESSORIES & MISC

KICKSTART 1.3 ROM	£29.99
KICKSTART 2 ROM	ONLY £39.99
OFFICIAL WKBENCH 2 UPGRADE KIT	£79.99
FATTER AGNIUS 8372A	£30.99
SUPER DENISE	£39.99
GARY	£39.99
8520A I/O CHIP (Drive & printer port)	£15.99
A520 MODULATOR	£29.99
AMIGA INTERNAL DRIVE	NOW £59.99
MAINS SUPPRESSOR BLOCK 4WAY	£12.99
UPRATED A500 POWER PACK	£39.99

AMIGA REPAIR SERVICE
Fixed price repairs - Amiga 500/500+ £49.99 inc parts & labour. (Excludes drive, psu & keyboard mechanical faults)

HOW TO AVOID REPAIR BILLS FOR 3 OR 5 YEARS
Simple - take out an Extended warranty on your computer, monitor or printer, within 30 days of purchase, & ALL repair bills - from breakdowns & ACCIDENTS (eg spillages) are covered. Computers under £400 - 3year Extended warranty only £49.99; 5year warranty - only £69.99. Please enquire for other items & to confirm prices.

EXTERNAL DRIVE POWER SUPPLY **£28.99**
This new product powers up to 3 external Amiga floppy disk drives. By relieving the Amiga power supply of this burden (for which it was not designed), you will increase its reliability considerably. Just plug straight in.

FLICKER FREE VIDEO 2 **£184.99**
Fits inside your A500,500+ 1500 or 2000 & eliminates annoying flicker.
* Requires VGA or Multisync monitor. * Compatible with ALL Amiga video modes.
* Overscan capability for full screen display. * No visible scan lines.
SUITABLE 14" .28mm Dot pitch VGA colour monitor (no audio) **£229.99**

PRINTER PORT EXPANDERS

FOR USE WITH PRINTERS, SAMPLERS, VIDEO DIGITISERS, SCANNERS ETC
These compact fully Switched Expansion boxes enable you to connect up to four peripherals to your computer. The connectors on the units are the same type as the Computer's printer connector so your peripherals just plug straight in. A connecting lead - 2m or 300cm long (state which) is supplied free, to link the Expander to the computer. All 25 connections are switched, ensuring total isolation of all connected devices.
2way - £24.99 3way - £27.99 4way - £29.99

TWO WAY SCART SWITCH **£17.99**

This compact switch box converts most TVs & TV monitors to DUAL SCART INPUT. Thus you can connect your Amiga & your VCR to the one scart socket on your TV. A push button switch selects input one or input 2. Both RGB, Audio & Video inputs are switched. Also suitable for connecting satellite receivers (VCR can then record direct from satellite), whilst watching tv or satellite.

BACKUP UTILITIES

X COPY PRO	£33.99
Latest version - complete with Cyclone external drive adaptor. Highly successful.	
CYCLONE ADAPTOR	£12.99
AMI SUPERCARD	£34.99
(Requires an external drive)	
OTHER DISK UTILITIES	
ACTION REPLAY FOR A500	£57.99
ACTION REPLAY FOR 2000	£57.99

NB. Making backups without the permission of the copyright holder is illegal.

EDUCATIONAL

BETTER MATHS (12-16)	£19.99
BETTER SPELLING (8+)	£19.99
COMPENDIUM 6	£29.99
DATAWORD	£13.99
DINOSAUR DISCOVERY KIT	£17.99
FIRST SHAPES (3-6)	£12.99
FIRST LETTERS & WORDS (3-6)	£12.99
FUN SCHOOL4 RANGE	£19.99
FRENCH MISTRESS - NEW	£16.99
GERMAN MASTER	£16.99
ITALIAN TUTOR	£16.99
JUNIOR TYPIST (5-12)	£19.99
KID'S TYPE	£16.99
LETS SPELL SERIES	£14.99
LINKWORD LANGUAGES	£21.99
MAGIC STORY BOOK	£17.99
MAGIC MATHS	£17.99
MATHS TALK (5-13YRS)	£16.99
MATHS TALK FRACTIONS	£16.99
MATHS MANIA	£19.99
MAVIS BEACON TYPING	£24.99
MICRO MATHS	£19.99
MICRO FRENCH	£19.99
MICRO ENGLISH	£19.99
MEGA MATHS	£19.99
MONEY MATTERS (4-7YRS)	£13.99
PAINT ME A STORY (3-10)	£21.99
PLANETS	£24.99
PUZZLE BOOKS 1 & 2	£17.99
SPELL BOOK	£19.99
TARGET MATHS (4+)	£13.99
THINGS TO DO WITH... SERIES	£16.99
VOYAGER 1.1	£69.99
WEATHER WATCHER	£16.99
WORLD ATLAS	£39.99

TOP 30 GAMES

AWARD WINNERS	£17.99
BOARD GENIUS	£20.99
CHAMPIONSHIP MANAGERS	£17.99
CARL LEWIS CHALLENGES	£17.99
CIVILISATION	£24.99
EYE OF THE BEHOLDER	£24.99
FINAL FLIGHTS	£17.99
FIRE & ICE	£17.99
GRAHAM TAYLORS SOCCER	£17.99
GLOBAL EFFECT	£19.99
GRAND PRIZ	£24.99
HAGAR THE HORRIBLE	£17.99
INTERNATL SPORTS CHALL	£19.99
JIMMY WHITES SHOOKER	£17.99
JOHN BARNES FOOTBALL	£17.99
MAN UTD IN EUROPE	£17.99
M1 TANK PLATOON	£24.99
MEGATRAVELLERS 2	£19.99
MONKEY ISLAND 2	£25.99
MYTH	£17.99
OMAR SHARIF'S BRIDGE	£24.99
THE PACIFIC GENERAL	£20.99
PACIFIC ISLANDS TEAM YKEE	£17.99
PLAN 9 FROM OUTER SPACE	£20.99
PRO TENNIS TOUR	£17.99
ROBIN HOOD	£24.99
SENSIBLE SOCCER	£17.99
SILENT SERVICE	£24.99
VIKINGS	£24.99

PHONE FOR LATEST GAMES LIST

BOOKS & VIDEOS

* DISK INCLUDED WITH THESE BOOKS
AMIGA FOR BEGINNERS £14.99
AMIGA BASIC INSIDE & OUT £21.99
C FOR BEGINNERS £17.95
DISK DRIVES INSIDE & OUT £27.95*
DOS INSIDE & OUT £22.95*
DESKTOP VIDEO £23.95*
GRAPHICS INSIDE & OUT £31.95
IMAGINE COMPANION £24.95*
LITTLE BLUE WKBENCH BK £14.95
MAKIN MUSIC ON THE AMIGA £27.99*
MAPPING THE AMIGA £20.95
USING AREXX ON THE AMIGA £26.99*
USING DELUXE PAINT £19.95
USING IMAGINE 2 £24.95*
USER INTERFACE MANUAL £18.99
HARDWARE REF MANUAL £21.95
ROM KERNEL REF MANUALS - THREE AVAILABLE EACH £28.95
VIDIA PAGESREAM GUIDE £4.95
VIDEOS BELOW - ALL £14.99 each
HOT ROD YOUR AMIGA - covers adding peripherals to your Amiga.
AMIGA PRIMER - covers what beginners should know about A500/2000 & 3000.
AMIGA GRAPHICS - learn about creating graphic art.
ANIMATION VIDEO Vols 1 & 2. Useful demo videos showing animation techniques.
DESKTOP VIDEO Vol1 Learn the inside story on Amiga desktop video.

DUST COVERS

SEAL n TYPE KEYBOARD SKIN
Don't risk spillages - they're guaranteed to 'write off' your Amiga.
It's a SEAL n TYPE.
Waterproof & moulded to fit snugly over each key, but flexible enough to type thru.
AMIGA 500, 500+, 1500, 2000... £12.99
State which when ordering please.

ANTISTATIC DUST COVERS

AMIGA 500 & 500 Plus	£4.99
AMIGA 600/600HD	£4.99
AMIGA 1500/2000 2PIECE	£12.99
AMIGA 1500/2000 KEYBOARD	£3.99
3.5" EXTERNAL DRIVE	£3.49
8833/1084 MONITOR	£7.99
SWIFT 9, LC200 PRINTER	£7.99
SWIFT 24LC24-200	£7.99

MANY OTHER TYPES AVAILABLE

NEW

**TRILOGIC - ESTABLISHED 1984 A NAME YOU CAN RELY ON -
PHONE US NOW ON 0274 - 691115**



**LOW COST
EXTENDED
WARRANTIES**

For only £44.99 your Amiga can be covered against repairs due to breakdown & ACCIDENTS for three years. Covers ALL parts & labour. Must be taken out within 30 days of purchase.

AMIGA 600 'WILD, WEIRD & WICKED' £329.99

AMIGA 600HD 'EPIC' PACK £479.99

- AMIGA 600**
- > 1 MEG RAM
 - > 3.5" DISK DRIVE
 - > WORKBENCH 2
 - > BUILT IN TV MODULATOR PLUS
 - > DELUXE PAINT 3
 - > GRAND PRX
 - > PUTTY
 - > PUSHOVER

- AMIGA 600HD**
- > 1 MEG RAM
 - > 3.5" DISK DRIVE
 - > 20 MEG HARD DRIVE
 - > WORKBENCH 2
 - > BUILT IN TV MODULATOR PLUS
 - > DELUXE PAINT 3
 - > TRIVIAL PURSUITS
 - > EPIC
 - > ROME
 - > MYTH

**SAVE UP TO
£100 OR MORE.**

With all Amigas we will give you 10 discount each vouchers worth 40% off the manufacturers RRP of the Top 30 games. Eg a £24.99 game would cost just £14.99 x10 = £100 saved. The dearer the game - the more you save.

Please enquire for price & availability of packs without software.

ADD £39 FOR 2MEG VERSION

FREE 12 MONTHS ON-SITE WARRANTY
3 & 5 YEAR EXTENDED WARRANTIES AVAILABLE.

AMIGA 500 1.3 £289.99

- > BUILT-IN DISK DRIVE
- > 1MEG RAM*
- > MOUSE
- > TV MODULATOR
- > WORKBENCH 1.3.
- > 12 MONTH WARRANTY

**FREE 1/2
MEG
UPGRADE***

* FREE 512K RAM & CLOCK EXPANSION

We can supply & fit our Rom Switch complete with 2.04 rom for just £54.99 without invalidating your warranty.

>>> 10STAR GAMES PACK - JUST £19.99 EXTRA.
>>> BARGAIN BAGS - £9.99

ALL PRICES INCLUDE VAT

AMIGA 1500 £559.99

- > 1 MEG RAM
- > TWIN 3.5" DRIVES
- > WORKBENCH 2
- > SEPARATE KEYBOARD

Includes software pack comprising: Dpaint 3, Home Accounts, The Works, Ek, Toki, Puzznic & 'Get the Most from Your Amiga'.

AMIGA 1500/200 ADD-ONS
8 MEG MEMORY CARD (unpop) £79.99
1 meg *9 SIMMs 2,4, or 8 required £24.99
SCSI CONTROLLER CARD £89.99

MONITORS & TV MONITORS

PHILIPS CM8833mk2 £189.99

- > 14" SCREEN
- > STEREO SOUND
- > RGB & COMPOSITE INPUTS
- > ON SITE WARRANTY
- > LOTUS TURBO CHALLENGE
- > OFFICIAL UK MODEL
- > DUST COVER £7.99
- > CONNECTING LEAD £3.99

LOWER PRICE

COMMODORE 1084S £239.99

- > LATEST UK MODEL
- > 14" ANTIGLARE SCREEN
- > GREEN SCREEN SWITCH
- > STEREO SOUND
- > RGB & COMPOSITE INPUTS
- > DUST COVER £7.99
- > CONNECTING LEAD £3.99

GOLDSTAR TV/ MONITOR £179.99

- > 14" SCREEN
- > FULL REMOTE CONTROL
- > SCART SOCKET (rgb input)
- > SUPERB PICTURE
- > DUST COVER £7.99
- > CONNECTING LEAD £3.99

14" ULTRA HIRES VGA COLOUR MONITOR. £239.99

- (Requires Flicker Fixer)
- > ANTI GLARE SCREEN
- > .28mm DOT PITCH
- > 1024x768 PIXELS.
- > No sound.
- > LEAD £3.99

TV TUNER - Suitable for use with Philips & Commodore monitors. - ONLY £39.99

SAVE upto £50 or more. 5 Discount vouchers with every monitor & printer. - see above for details.

MONO PRINTERS

CITIZEN 1200+ BUDGET MODEL ONLY £129.99

9 pin printer with 144cps draft & 25cps Near letter quality print speed. Pull tractor & friction feeds. Three fonts. Epson & IBM emulations.

CITIZEN SWIFT 9 SUPERB QUALITY FOR ONLY £189.99

9 pin printer capable of 192cps draft, 48cps NLQ printing speed. Four built-in fonts. Friction & tractor feeds. Paper park - saves having to remove continous paper when you want to use single sheets. Low cost ribbons. 2 year warranty. Epson & IBM Proprietary emulations. Low noise level.

CITIZEN SWIFT 9X Wide carriage version of above £319.99

CITIZEN SWIFT 240 SUPERB NEW MODEL & ONLY £254.99

24 pin printer with 240cps draft & 80 cps letter quality print speed. Nine letter quality fonts, 2 scalable letter quality fonts. Paper parking, push & pull tractor feed, friction feed. Epson LQ570, NEC P20 & IBM proprier24xe emulations. Ultra low noise level, + quiet mode for even lower noise. 2 year warranty.

CITIZEN PROJKT INKJET LASER QUALITY PRINT £419.99

300dpi Laser quality 50 nozzle INK jet printer. Fast & very quiet. 360cps draft & 240 cps letter quality print speed. Three letter quality fonts + optional font cards. HP Deskjet Plus emulation. Optional 128k & 256k ram cards. 100 sheet automatic feeder. Optional tractor feed & second sheet feeder.

FREE DRIVER DISK WITH ALL CITIZEN PRINTERS
Printer lead just £3.99 extra with all printers.

COLOUR PRINTERS

CITIZEN SWIFT 2240 COLOUR £239.99

192cps draft, 64cps NLQ, a simplified version of the Swift 24, similar print quality.

CITIZEN SWIFT 9C SUPERB QUALITY FOR ONLY £189.99

9 pin printer capable of 192cps draft, 48cps NLQ printing speed. Four built-in fonts. Friction & tractor feeds. Paper park - saves having to remove continous paper when you want to use single sheets. Low cost ribbons. 2 year warranty. Epson & IBM Proprietary emulations. Low noise level.

NEW CITIZEN SWIFT 240C SUPERB NEW MODEL & ONLY £299.99

24 pin printer with 240cps draft & 80 cps letter quality print speed. Nine letter quality fonts, 2 scalable letter quality fonts. Paper parking, push & pull tractor feed, friction feed. Epson LQ570, NEC P20 & IBM proprier24xe emulations. Ultra low noise level, + quiet mode for even lower noise. 2 year warranty.

THE NEW CITIZEN 240 PRINTERS.
You won't believe the print quality

AVAILABLE IN MONO & COLOUR VERSIONS

These new printers feature improved performance, lower noise level, more fonts, scalable fonts, easy to use control panel & mono or colour versions. With even clearer print quality, & incredible colour graphics quality, we have yet to see a better printer for even twice the price. Can print on OHP film & envelopes, & the quarter size print feature enables pages for Personal organiser to be printed. For more com plex printing, the internal 8k buffer can be expanded to 40k or 136k. Fully compatible with the Amiga & virtually all other computers - drivers available for Microsoft Windows too.

FREE PRINT ENHANCEMENT DISK

HARD DRIVES

SUPERB GVP HARD DRIVES

PRICES DOWN

GVP SERIES II HD8+ 82 Meg for A500 - now only £339.99

GVP SERIES II HD8+ 120meg for A500 - now only £429.99

GVP SERIES II HD8+ 240meg for A500 - now only £699.99

The HD8 series II can accept either 1 or 2 or 4, 1 meg simms, or 2, 4 meg simms.

A530 52Meg Hard drive & 68030 Accelerator for A500 £269.99

A530 120Meg Hard drive & 68030 Accelerator for A500 £799.99

A530 240Meg Hard drive & 68030 Accelerator for A500 £999.99

The A530 Combs feature a 68030 40MHz cpu, 1 meg ram expandable to 8megs, 68882 maths co-processor socket, power supply, cooling fan, mini-expansion slot, SCSI hard disk controller & hard disk as specified above. The A530 run at 12MIPS compared to standard Amiga's 0.87MIPS

GVP SERIES II HC8 for A1500/2000 - NO DRIVE £119.99

GVP SERIES II HC8 + 52meg for A1500/2000 - now only £279.99

GVP SERIES II HC8 + 120meg for A1500/2000 - now only £409.99

GVP SERIES II HC8 + 240meg for A1500/2000 - now only £649.99

The HC & Series II can accept upto 8, 1 meg x9 Simms in 2 meg steps.

1MEG SIMMS FOR GVP DRIVES £24.99

4MEG SIMMS FOR GVP DRIVES £39.99

COMMODORE A590 UPGRADES

A590 120meg QUANTUM SCSI upgrade - easy to fit £349.99

A590 45meg NEC SCSI upgrade - easy to fit £189.99

A590 105meg NEC SCSI upgrade - easy to fit £259.99

A590 MEMORY CHIPS £24.99/MEG

AMIGA 600 HARD DRIVES

20Meg 2.5" bare drive £99.99

40Meg 2.5" bare drive £179.99

60Meg 2.5" bare drive £219.99

80Meg 2.5" bare drive £249.99

CUMANA COM301 ST506 DRIVE INTERFACE £59.99

Feature 1/2 meg ram & battery backed clock, plus ST506 HD interface.

ACCELERATORS & EMULATORS

KCS POWER PC CARD FOR AMIGA 500 & 500 PLUS £199.99

KCS ABOVE without MS Dost £189.99

AMIGA 1500/2000 KCS ADAPTOR £84.99

VORTEX AT ONCE PLUS 286 PC EMULATOR FOR A500 £219.99

This is a 16MHz PC card for the Amiga500,500+, 1500,2000, enabling your Amiga to run PC software. No soldering installation, VGA, EGA & CGA PC graphics modes supported, runs as a task on the Amiga, supports hard drives 80287 socket.

VORTEX GOLDEN GATE 386 CARD FOR 1500/2000 £449.99

The very latest PC Card for the A1500/2000, using a 386 cpu running at 25MHz, IDE drive interface, 1.44/2.88Mb FDD controller, CGA/EGA/VGA & Hercules emulation, 80387 socket etc. Runs as a task, runs Windows 3 in 386 Mode. Holds upto 16Mb ram - 4Mb can be used by Amiga.

MORE GVP HARDWARE

GVP PC286 16MHz EMULATOR for Series II Hard drives £184.99

This is a plug-in module for the GVP HD8 Series II hard drives. As it fits inside the GVP, there is no risk of voiding the computer warranty ass with other internally fitting emulators. Runs most PC software inc Windows, & supports EGA/VGA/CGA, & Hercules graphics. Uses the A500's internal drive to read/write MSDos disks (720k), 80287 socket.

G-FORCE 030-25MHz Accelerator for A1500/2000, 1m ram £599.99

G-FORCE 030-40MHz Accelerator for A1500/2000, 4m ram £799.99

G-FORCE 040-33MHz Accelerator for A1500/2000, 4m ram £1599.99

GVP SIMM-32 32bit 1meg 80ns simm for A530 & G-Force £55.99

GVP SIMM-32 32bit 1meg 40ns simm for A530 & G-Force £154.99

GVP SIMM-32 32bit 4meg 80ns simm for A530 & G-Force £184.99

IV24 24BIT PROFESSIONAL VIDEO CARD for A3000 £1379.99

AMIGA 1500/2000 IV24 Adaptor £44.99

The IV24 features: 24bit = 16 Million colours, separate RGB & Composite Genlocks, Real time frame grabber, Flicker eliminator - gives A1500/2000 owners the added bonus of a built in flicker fixer, Simultaneous RGB, composite & S-VHS outputs - makes video recording easy, Picture in picture display, Arexx supported, Full software control. Includes special IV24 versions of Scale, Caligari & Macropaint softwares.

PCs FROM ONLY £339 + VAT

LOW COST TRILOGIC 'ATLAS' PCs

286-16 Inc Mono white VGA monitor, 1 meg ram, from £339+vat

386dx25 Inc 14" svga colour monitor, 1 meg ram, from £499+vat

386dx40 Inc 14" svga colour monitor, 2 meg ram, from £550+vat

486dx33 Inc 14" svga colour monitor, 4 meg ram, from £779+vat

486dx50 Inc 14" svga colour monitor, 4 meg ram, from £999+vat

Prices above include 2x1.44meg 3.5" disk drives, but no hard drive. Add £100+vat for 40meg HD or £150+vat for 85meg HD (1x3.5" FDD on Hard drive models) 130 & 212 meg HDs also available. Upgrade your PC - Low cost Motherboards, Cases, monitors, keyboards, FDDs, HDs, VGA & I/O cards available.

EXTERNAL DISK DRIVES

ROCLITE RF382C SLIMLINE DRIVE £56.99

CUMANA CAX 354 3.5" DRIVE £59.99

All drives feature thru port & disable switch. Using more than one external drive? - you need our External Drive power unit - see opposite page for details.

MEMORY UPGRADES

AMIGA 500 PLUS 1MEG MEMORY UPGRADE £39.99

Just plugs in. No soldering Warranty unaffected.

A500 / 500+ 1/2meg upgrade without clock £21.99

A500 / 500+ 1/2meg upgrade with clock & battery £24.99

Just plugs in. No soldering Warranty unaffected.

AMIGA 600 1meg upgrade + clock (unpopulated) £29.99

AMIGA 600 1meg upgrade + clock complete £49.99

Just plugs in. No soldering Warranty unaffected.

A500/ 500+ 1/2-4 MEG MEMORY UPGRADES

THE ONLY WAY TO GET MORE FAST MEM*

BASEBOARD PLUS unpopulated £79.99

BASEBOARD PLUS with 1 MEG £99.99

BASEBOARD PLUS with 2 MEG £124.99

BASEBOARD PLUS with 4 MEG(max) £174.99

Uses low cost 256*4 D rams - special offer 1 meg for £24.99

*By internal fitting - invalidates warranty unless fitted by us. Fitting charge £10.00 plus postage. Also available for Amiga 500 1.3. State machine when ordering.

1.5 MEG A500 UPGRADE fully populated NOW ONLY £59.99

AMIGA 1500/2000 8 MEG MEMORY CARD £79.99

USES 1 MEG *9 SIMMS £24.99 EACH

PRINTER & MONITOR LEADS

AMP1 1.8m LONG PARALLEL PRINTER LEAD £9.99

AMP2 3m LONG PARALLEL PRINTER LEAD £12.99

AMP3 5m LONG PARALLEL PRINTER LEAD £16.99

MP1 25WAY MALE -FEMALE LEAD 2m LONG £10.99

MM1 25WAY MALE -MALE LEAD 2m LONG £10.99

MM2 36W MALE -MALE LEAD 2m LONG 12.99

PRINTER SHARER 2 WAY INC LEAD £21.99

2 PIECE UNIVERSAL PLASTIC PRINTER STAND £7.99

UNIVERSAL METAL PRINTER STAND & PAPER HOLDER £12.99

1ACROSS s/adhesive LABELS approx 3.5"x1.5 1000 for £7.99

CONTINUOUS 60gm PAPER 11"x9.5" box of 200 for £21.99

RIBBON RE-INKING SPRAY - Jet black - saves £££s £11.99

MONO RIBBONS £4.99 each for: CITIZEN 1200/SWIFT 9/24/224/124; STARLC10/20/LC15/24-10/NB24/10/NX1000; AMSTRAD DMP2000/3000/3150/4000/PCW8256; BROTHER HR1/M1009/M1224; COMMODORE MP6801/803; OKI 182/192/320/332; 1PANASONIC KXP1081/1090; SHINWA CP90; EPSON MX/FX/RX80/100

ORIGINAL COLOUR RIBBONS ALL AT £15.99

for: SWIFT 9/24/224 LC10/LC20/ LC200/LC24-200. (State which)

TALORED PVC PRINTER DUST COVERS £7.99. For popular Citizen & Star printers - please state printer when ordering.

AL1 FOR TVs WITH SCART SOCKET (Not for VCRs) £13.99

including Sony, Philips, Ferguson, Hitachi, Toshiba, Mitsubishi etc

AL2 for Ferguson Mo01/Mc03/Mc08w/11 8 pin Din socket £12.99

AL4 for Hitachi/Granada sets with 7pin Din RGB input £12.99

AL5 for Amstrad CPC464/8128 monitor (with no sound) £12.99

AL6 for new Amstrad CPC stereo monitor £12.99

AL7 for 1084s monitor with 8 pin Din socket £14.99

AL7P for 1083/1084s/8833 with 9pin D socket £14.99

AL11 with 9 pin D plug for multiaync monitors £12.99

AL12 with 15 pin D jrow socket for multiaync monitors £13.99

AL13 with 15pin 3 row plug for multiaync monitors £13.99

FLICKER FIXER LEAD - 9 plug to 15way 3 row plug £13.99

MODULATOR EXTENSION LEAD eliminates overhang £10.99

MONITOR PLINTH 1 fits over Amiga & supports monitor £23.99

MONITOR PLINTH 2 as above plus shelf under monitor £33.99

DELUXE MONITOR STATION fits over Amiga £49.99

includes monitor/computer 1 piece PVC dust cover, mouse mat & joystick/mouse extension sockets. Both plinths have cut out for drive access & holes for mouse/joystick extension sockets. Monitor Station has cut out for hard drive as well.

MOUSE & JOYSTICK EXTENSION KIT FOR PLINTH 1 & 2 £7.99 pair

MONITOR TILT/SWIVEL BASE for upto 14" monitors or TVs £12.99

The **AMIGA** Collection

FORMAT

Superb, complete, full-price programs for practically nothing isn't the whole story of the **Amiga Format** Collection. You also have the chance to upgrade to new versions of the Collection programs at special prices. Here are the offers...

AMIGA FORMAT

210

NOVEMBER 1992



Sequencer One Plus Upgrade Kit

Also on the Special Christmas Issue was the powerful *Sequencer One* music package, RRP £89. (If you missed out on this amazing offer – which included *Graphics Workshop* as well – you can still get copies through Back Issues.)

Through *Amiga Format* Mail Order you can upgrade to *Sequencer One Plus*. By doing so you can take advantage of a whole host of extra features that are not available on version one. These include the unique Juke Box screen and Gajits' new 'Diamond Drag' note-editing system. Also included in this latest update is tempo maps, auto count in, MIDI sys ex handling, track solo, extra quantis options and much more!

All of this should really sell for a massive RRP of £129.95. For a short time though, *Sequencer One Plus* is available as an upgrade kit for *Sequencer One* owners (and that of course includes everyone who has the program from the *Amiga Format* Coverdisk 30) for £49.95 (RRP). But we're offering it to you at a mere £39.95 which works out at an amazing total saving of £90.

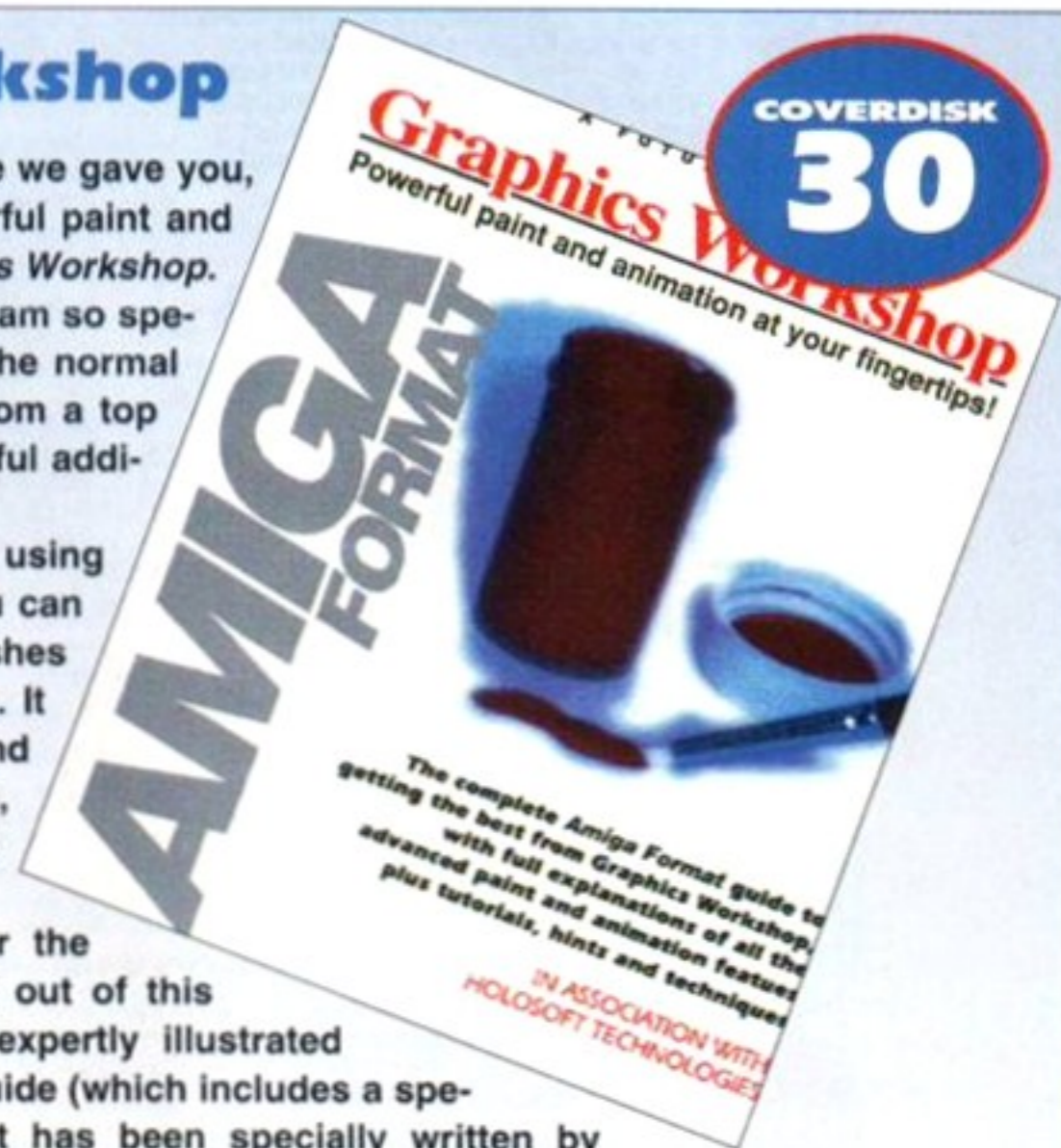
Description	Price	Order Code
Sequencer One Plus	£39.95	AM235

Graphics Workshop

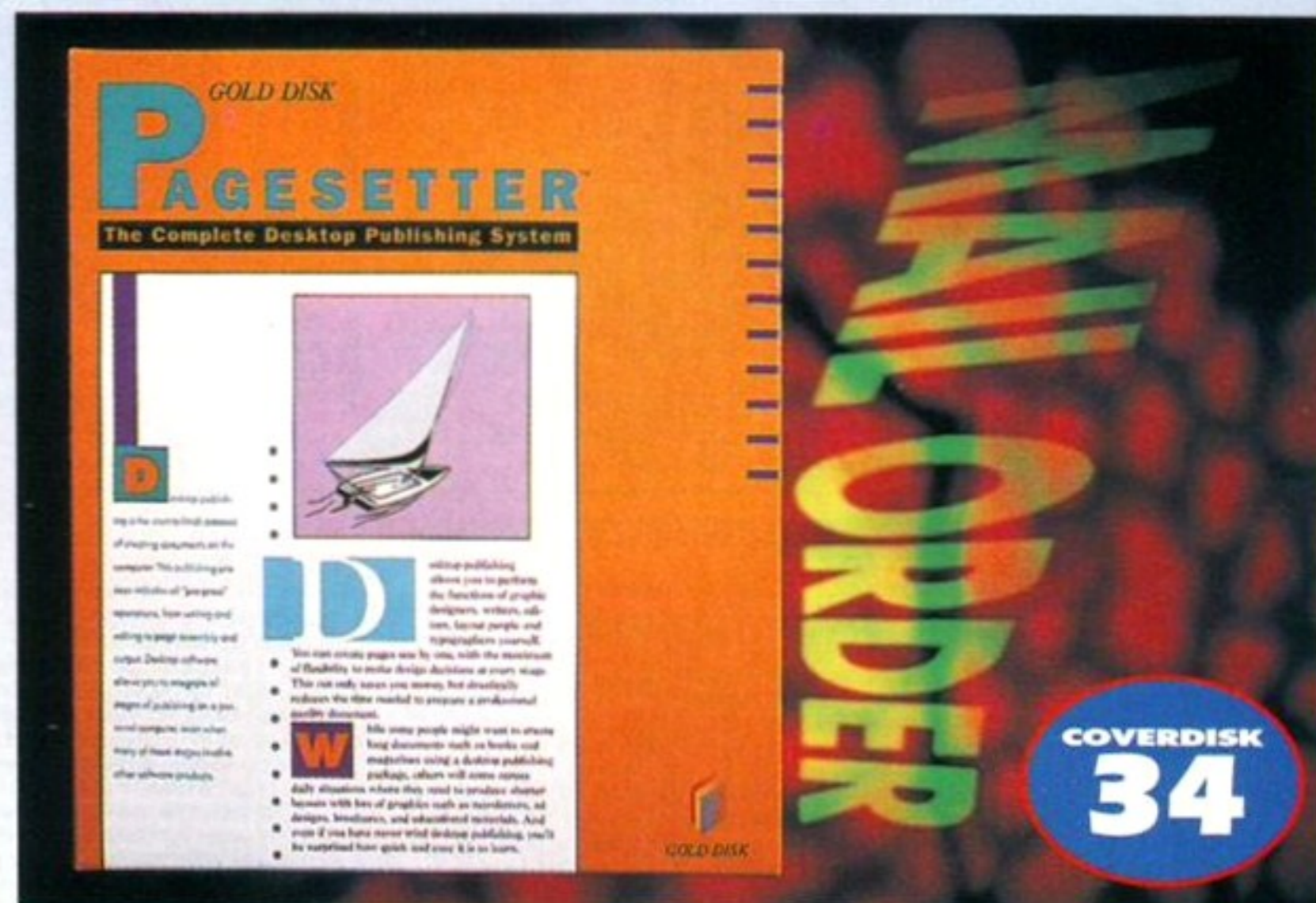
On our Christmas Special Issue we gave you, for virtually nothing, the powerful paint and animation program *The Graphics Workshop*. What makes this drawing program so special, though, is along with all the normal tools that you would expect from a top paint program are some powerful additional utilities.

You're not just limited to using one custom brush, instead you can pick up and store up to 10 brushes and use them at any one time. It also features not only ANIM and Animbrush forms of animation, but also a Cell system which is probably the most powerful animation system there is for the Amiga. Why not get the most out of this top program by buying this expertly illustrated instruction book and tutorial guide (which includes a special tutorial disk as well) that has been specially written by *Amiga Format* writer Maff Evans.

Description	Price	Order Code
Graphics Workshop	£16.40	GPHWK



PageSetter 2



If you want to produce a news letter for your local rugby club, or start up a footie fanzine then all you need is some DTP software. And there's no better program to start off with than *PageSetter*. We gave away version 1.2 of this very first Amiga DTP program on the Coverdisk of Issue 34, however if you want the current version here it is.

Gold Disk's update of the beginner's layout program takes a different approach from the original. It has been completely rewritten in machine code for extra speed. Also, rather than having separate text-editing and picture-editing modules, it now lets you edit text on the page. It also uses Compugraphic scalable fonts throughout, so extra quality on printout is guaranteed. All in all, this is the next best thing to professional-quality DTP on the Amiga. A full and detailed manual is included.

Description	Price	Order Code
PageSetter 2	£50	PAGE UP

We pick out top-quality software and indispensable hardware for you and your Amiga, and we deliver them to you at bargain prices.



**CREDIT CARD
HOTLINE
0458 74011**

**Make sure you check out
our amazing back issues
and subscription offer
on page 216!**

AMIGA FORMAT

212

NOVEMBER 1992

mini Office

MAIL ORDER

SAVE £10

Everything you need to turn your own home into an integrated business environment all in one handy package. A word processor, spreadsheet, database, graph utility and disk organiser in a complete set.

Description	Price	Order Code
Mini Office	£49.99	AFMinOff

Two Great Games

MAIL ORDER

SAVE £6

A fantastic package with Imageworks' *First Samurai* arcade adventure doubling up with another *Format Gold*-winning game: *Mega-lo-Mania*, the Godlike strategy game from Sensible Software.

Description	Price	Order Code
Two for one	£24.99	AFMegSam

Home Accounts 2

MAIL ORDER

SAVE £10

Described by *Amiga Format* as 'a package which will suit any household', this is the ideal way to keep track of your financial affairs, from what's in your cheque account to how much is left after the bills!

Description	Price	Order Code
Home Accounts 2	£44.99	AF229

Amiga Format Binder

MAIL ORDER

Are you tired of all your *Amiga Formats* being left scattered all over the floor? If so, protect them with these stylish and practical black-and-silver binders.

Description	Price	Order Code
One binder	£4.95	AF108
Two binders	£9.00	AF109

StereoMaster

MAIL ORDER

SAVE £10

This update of Microdeal's *MasterSound* is an ideal entry-level sound sampler. Its numerous features, and improved easy-to-use graphic interface make it an excellent bargain for budding music freaks.

Description	Price	Order Code
StereoMaster	£29.99	AF234

Amiga Format Mail Order

New Technosound Turbo

MAIL ORDER

SAVE £10

Newly updated sampler from New Dimensions enables you to grab digitised sounds, then sequence them into simple compositions. It contains a new cartridge, updated manual and a set of audio leads.

Description	Price	Order Code
Technosound Turbo	£29.95	AF246

Award Winners Compilation

MAIL ORDER

SAVE £5

What a combination! *Format Gold* ground-breaker *Populous*, stunning footie fun in *Kick Off*, the cartoon-on-a-disk *Space Ace* and the top-class puzzle game *PipeMania* all rolled into one great package!

Description	Price	Order Code
Award Winners Comp	£20.99	AF245

10 Great Games Comp

MAIL ORDER

SAVE £6

Xenon 2, *Pro Tennis Tour*, *Ferrari Formula One*, *Nighthunter*, *Rick Dangerous*, *Super Ski*, *Pick 'n' Pile*, *Carrier Command*, *Chicago* and *Satan* all in one massive pack! (Doesn't work on A500 Plus or A600).

Description	Price	Order Code
10 Great Games	£24.99	AFGGComp

PANDAAL HAND SCANNER

Top quality scanner, UNBEATABLE price!

Superb high quality image capture package. Ideal for scanning logos and creating high quality scanned images from magazines, books, photos, etc. for use in DTP newsletters, reports and brochures.

Pandaal Scanner:

- 100-400 dpi adjustable resolutions.
- 64 levels of grey.
- Black & white mode for text and line art.
- 3 halftone modes for photographs.

DaataScan Professional GS 3.00

New grey scale image capture software supplied with the Pandaal hand scanner.

- Real-time on-screen scanning display.
- Saves in the popular IFF file format.
- Scan size - create A4, A5, A6, user defined.

New Version 3 Features:

- Convert to grey scales with palette control.
- Full grey scale image editor.
- Full painting, text and drawing functions.
- Multi-screen layout.

Editing:

- Cut, copy, paste using powerful Clipboard.
- Special effects; rotate, flip, invert and crop.
- Image resizing and rescaling.
- Image magnification with pixel editing.



NEW!
VERSION 3
SOFTWARE



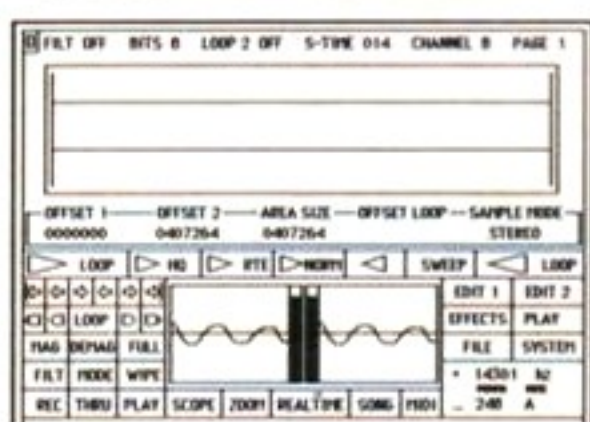
Multi-Screen Layout



NEW LOW PRICE
£89.95

Inc VAT. Add £3.50 postage. Total price £93.45

Beat STUDIO The Complete Amiga Sound Studio:



- True stereo sound sampling cartridge.
- Sound recording and mixing software.
- Sample editing facilities.
- Stunning real-time sound effects.
- Song and Midi sequencers.

Complete with
FREE stereo lead

ONLY
£29.95

HARDWARE ACCESSORIES

- RocLite**, slimline 3.5" RocTec external floppy drive. **£57.95**
- GVP HD Series II**, 52 Mb with on-board RAM option. **£345.95**
- Optical Mouse**, fast 300 dpi, includes pad and holder. **£28.95**
- Track Ball**, smooth, precise, three buttons with click & hold. **£29.95**

Postage: Please add £1 to orders under £50 and add £3.50 to orders over £50

Mail Order: City Beat Ltd, PO Box 575, Kempston, Bedford MK42 7YZ
London Shop: 56 Tavistock Place, London WC1H 9RG Tel: 071 278 7602



CREDIT CARD
HOTLINE



071 328 1717

ANTIC

56 TAVISTOCK PLACE
LONDON WC1H 9RG
TEL 071 278 7602
FAX 071 111 1111

COMPUTER SYSTEMS

MEMORY

A500

512k 4 chip with clock.....£23.95
512k 4 chip no clock.....£18.95
Up to 8Mb plugs into side port.

Full thru' port. Also for A500+

2Mb.....£119.95
4Mb.....£179.95
6Mb.....£239.95
8Mb.....£299.95

A500+

1Mb upgrades A500+ to 2Mb...£39.95

A600

1Mb with clock.....£49
1Mb no clock.....£45

A1500,A2000

Memory master, up to 8Mb voted
best quality. Uses 1x 4zip Ram

2Mb.....£129.00
4Mb.....£189.00
6Mb.....£249.00
8Mb.....£319.00

ICD

Novia 60i internal hard disk ..£349.00
Novia 85i£449.00
AdSpeed£129.00
Flicker Free Video 2.....£169.00

**Please phone for other ICD
products**

SCANNERS

DAATA SCAN PRO.....£95.00
ALFASCAN PLUS with OCR..£199.00
ALFASCAN PLUS with Touchup
.....£114.95

**PLEASE PHONE FOR DETAILS
OF OUR A4 FLATBED SCANNERS**

POINTING DEVICES

3 Button track ball£29.95
290dpi Replacement Mouse ..£12.95
300 dpi Optical Mouse£29.95
Optical Pen Mouse.....£34.95
Budget replacement mouse£9.99

Now open UK's newest Amiga store, conveniently located in Central London sandwiched between London Kings Cross, Euston main line and tube stations and Russell Sq, Holborn and Tottenham Court Road tube stations, making us easy to reach from almost every corner of the country

Alternatively you can order from the comfort of your arm chair, just pick up the phone and speak to our experienced sales/technical staff for satisfaction guaranteed.

ANTIC

COMPUTER SYSTEMS

56 TAVISTOCK PLACE LONDON WC1H 9RG
TEL 071 278 7602
FAX 071 883 8013

MONITORS

Philips 8833 mk2£199.00
Multisync monitor£349.00
Goldstar TV/monitor£195.00

STORAGE

HARD DRIVES

GVP A530 with 40MHz accelerator
and optional maths co-processor

52Mb.....£695.00
120Mb.....£795.00
240Mb.....£1029.00
Co-Processor kit.....£POA

**PHONE FOR DETAILS OF
OTHER GVP PRODUCTS**

FLOPTICAL DRIVES

**PHONE FOR DETAILS OF
REMOVABLE MEDIA AND
ACCESSORIES**

inc Syquest internal drives,
cartridges and floptical drives up to
128Mb and optical disks

MISCELLANEOUS

Kickstart switch£14.95
Boot selector switch£9.95
A500 original PSU£34.95
Auto joystick/Mouse switcher..£12.95
1Mb Simms£25.00
1x4 Zip Ram.....£13.95

**100's of leads and cables can
be made. Please phone**

Blitz Amiga£23.99

**Please phone for details of any
other items not listed**

**All prices include VAT and
are subject to change.
Specifications are subject to
change without notice.**

RICOH PCL5 LASER PRINTER

Ricoh UK Ltd is part of the worldwide Ricoh Group of companies, originally established in Japan, in 1936. With a turnover of over \$5 billion and 37,000 employees, Ricoh have been producing computers and peripherals since 1971 and are the world's second largest manufacturer of Laser Printer engines. Ricoh have employed their expertise to produce a 'first' in laser printers for the world market, the LP1200 with FLASH ROM.

Fully HP LaserJet III™ compatible, the new LP1200 employs industry proven laser technology. Unlike LED page printers, which use light emitting diodes, the LP1200's laser lightsource, focussed by high quality lenses, is able to produce the most accurate and intense printed images. It has 2Mb of RAM built-in and requires no additional RAM to print a full A4 page of graphics at 300dpi. Its fast, efficient processor and engine, together with a straight paper path design, allows printing at a full 6 pages per minute. Unlike its competitors, this advanced laser engine enables the LP1200 to address a range of print resolutions up to 400dpi. A special driver, combined with the 2Mb RAM upgrade, enables the Ricoh LP1200 to print at 400dpi from Windows 3.

Again, unlike the competition, the LP1200 includes a powerful document description language as standard. This language, 'LAYOUT', offers unique opportunities to develop custom-made printing systems. Forms and document templates can be designed and stored electronically in the LP1200's FLASH ROM, alleviating the need for pre-printed forms!

SHOWN WITH UNIVERSAL FEEDER TOP TRAY (OPTIONAL EXTRA)



FULLY HP LASERJET III™ COMPATIBLE
400 dpi 2 Mb RAM 6 PPM
FLASH ROM UPGRADABLE!



RICOH LP1200

● **6 PAGES PER MINUTE**
Using a straight paper path

- **PCL5 - inc HP-GL/2**
Latest version with scalable fonts
- **SHARP EDGED PRINTING**
Ricoch FIAL (Fine Image ALgorithm) enhances resolution
- **400dpi RESOLUTION** (Requires 4Mb RAM)
Default res - 300dpi. Will address 200, 240 & 400dpi.
- **2Mb RAM AS STANDARD**
For a full A4 page of graphics at 300dpi.
- **UNIQUE FLASH ROM**
For controller upgrade and storage
- **IC CARD SLOT** (PCMCIA/IDEA Compatible)
For programmable FLASH ROM cards
- **EXPANSION BOARD SLOT**
For improved connectivity to additional systems eg. Coax/Twinax, PC-LAN etc
- **LAYOUT**
Document Description Language
- **SERIAL + PARALLEL PORTS**
For connection to PC compatibles and other computers
- **1 YEAR ON-SITE WARRANTY**
Next working day response

The Ricoh LP1200 is a genuine laser printer and not an LED printer. Make sure you check out the competition!

See how the Ricoh LP1200 compares to its Laser Printer Competitors

FEATURES	EPSON EPL4100	HP LJ/JET IIIP	M'MAN TALLY MT904+	IBM 4029 Model 010	RICOH LP1200
Average Street Price (excl. VAT) (*expected)	£569	£699	£699*	£750	£699
Official RRP (excl. VAT)	£945	£1,179	£1,099	£1,099	£1,195
Maximum resolution in dots per inch	300 x 300	300 x 300	300 x 300	300 x 300	400 x 400
Windows 3 Driver @ 400 dpi	-	-	-	-	YES
Print Speed	6ppm	4ppm	4ppm	5ppm	6ppm
Straight Paper Path	YES	-	-	-	YES
PCL 5 Printer Command Language	-	YES	YES	-	YES
HP-GL/2 Vector Graphics included	-	YES	YES	YES	YES
Resolution Improvement/Enhancement	YES	YES	YES	YES	YES
Standard RAM	0.5Mb	1Mb	1Mb	1Mb	2Mb
Full A4/300 dpi graphics with standard RAM	-	-	-	-	YES
Warm Up Time	<45 secs	<60 secs	60 secs	33 secs	45 secs
First Page of Text Output	<20 secs	<40 secs	34 secs	20 secs	<15 secs
Document Description Language included	-	-	-	-	YES
Flash ROM	-	-	-	-	YES
Upgradable Firmware	-	-	-	-	YES
IC Card Slot	YES	-	-	YES	YES
Scalable Resident Fonts - in HP LJ III Emulation	-	8	8	0	8
Resident Bit-Mapped Fonts	11	14	14	16	14
AGFA Intellifont Scalable Font Technology	-	YES	-	-	YES
HP LaserJet III Emulation included	-	YES	YES	-	YES
EPSON FX Emulation included	YES	-	YES	-	YES
IBM ProPrinter Emulation included	-	-	YES	-	YES
Standard Tray Capacity	100	70	100	200	100
Protective cover on standard tray	YES	-	YES	YES	YES
Cost per copy**	1.65p	2.00p	1.71p	1.64p	1.65p
Min-Max Paper Weight in gsm	60-157	60-105	60-120	60-131	60-157
Able to print on OHP Film	YES	YES	YES	YES	YES
Able to print on card (157gsm - Manual Feed)	YES	-	-	-	YES
Standby -Noise Level	<40dB	31.7dB	<35dB	38 dB	<38dB
Printing -Noise Level	<50dB	43.3dB	<46dB	50 dB	<48dB

Silica Systems are pleased to introduce the revolutionary, new Ricoh LP1200. It has all of the specifications that you would expect to see in today's most technically advanced laser printers, plus a unique additional feature which places it far ahead of the competition - FLASH ROM. This 'Future Proof' technology protects the investment you make when you buy a Ricoh LP1200, as it enables you to keep up to date with new laser firmware developments. FLASH ROM is an area of memory inside the LP1200 which holds the printer's controller instruction firmware. If new firmware is developed, updated printer command languages etc, can be downloaded into this memory. Other manufacturers would require you to buy a new printer! Fonts, macros, graphics and additional emulations can also be stored in FLASH ROM, or on removable, industry standard FLASH ROM IC cards. The new Ricoh LP1200 is the only laser printer to offer this FLASH ROM facility. The LP1200 comes with a 100 sheet A4 paper tray and the facility to feed single sheets of paper and card up to 157gsm. An optional extra universal feeder provides the facility to feed up to 150 sheets, from a minimum size of 98mm x 148mm to a maximum size of 216mm x 356mm at weights up to 158gsm, up to 15 envelopes, overhead transparencies and labels automatically.

Consumables + Accessories

CODE	PRODUCT	PRICE Exc VAT
CAB 7500	Cable for PC/ST/Amiga	£8.47
LAA 5238	Universal Feeder (2nd Tray)	£100.00
LAA 5262	2Mb RAM Module	£149.00
LAA 5210	Developer/Toner Cartridge	£65.00
LAA 5225	OPC Cartridge (Drum)	£89.00
LAA 5312	A4 paper Tray (100 Sheets)	£35.00

CALL FOR A FULL PRICE LIST

LP1200 WITH SINGLE BIN & 2Mb RAM SILICA PRICE:
£699
 +VAT= £821.33 Ref: LAS 5200

SILICA SYSTEMS OFFER YOU

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** Team of technical experts at your service.
- **PRICE MATCH:** We normally match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 14 YEARS:** Proven track record in professional computer sales.
- **£12 MILLION TURNOVER (with 60 staff):** Solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts available 081-308 0888.
- **SHOWROOMS:** Demonstration and training facilities at our London & Sidcup branches.
- **THE FULL STOCK RANGE:** All of your requirements from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with offers + software and peripheral details.
- **PAYMENT:** Major credit cards, cash, cheque or monthly terms.

Before you decide when to buy your new laser printer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or consumables, or help and advice with your new purchase. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years and, with our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".

MAIL ORDER HOTLINE
081-309 1111



MAIL ORDER: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX Tel: 081-309 1111
 Order Lines Open: Mon-Sat 9.00am-6.00pm No Late Night Opening Fax No: 081-308 0808

LONDON SHOP: 52 Tottenham Court Road, London, W1P 0BA Tel: 071-580 4000
 Opening Hours: Mon-Sat 9.30am-6.00pm No Late Night Opening Fax No: 071-323 4737

LONDON SHOP: Selfridges (1st Floor), Oxford Street, London, W1A 1AB Tel: 071-629 1234
 Opening Hours: Mon-Sat 9.30am-6.00pm Late Night: Thursday until 8pm Extension: 3914

SIDCUP SHOP: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX Tel: 081-302 8811
 Opening Hours: Mon-Sat 9.00am-5.30pm Late Night: Friday until 7pm Fax No: 081-309 0017

To: Silica Systems, AMFOR-1192-75, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND INFORMATION ON THE RICOH LP1200

Mr/Mrs/Miss/Ms: Initials: Surname:

Company Name (if applicable):

Address:

Postcode:

Tel (Home): Tel (Work):

Which computer(s), if any, do you own? 75G

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

Orders Taken Until

DISKS...DISKS

Phone for latest prices

FULLY GUARANTEED BULK DOUBLE SIDED DOUBLE DENSITY 135tpi 100% Certified - UNBRANDED USUALLY SONY, TDK or MITSUBISHI etc GUARANTEED AND SUPPLIED WITH LABELS DO NOT CONFUSE WITH INFERIOR UNCERTIFIED. PLEASE PHONE FOR LATEST PRICES.

20 DSDD	£9.99	25 DSDD	£12.99
50 DSDD	£22.99	100 DSDD	£42.00
200 DSDD			£82.00
20 TDK Branded Disks with two 10 holder boxes	£19.99		

DISK BOXES

Flip Top Disk Holder Holds 12	£9.99
Flip Top Disk Holder Holds 20	£2.99
40 Disk Holder, Lockable, Top Quality, Anti-static, with Dividers & 2 Keys	£3.99
80 Disk Holder, Lockable, Top Quality, Anti-static, with Divider & 2 Keys	£5.99
100 Disk Holder, Lockable, Top Quality, Anti-static, with Dividers & 2 Keys	£6.99

DISKS & DISK BOX OFFERS

Pack of 20 in our Top Quality, Lockable 40 Disk Holder	£13.99
Pack of 50 in our Top Quality, Lockable 80 Disk Holder	£28.99

POSSO BOX

Drawer Type Box - Can be stacked horizontally or vertically - Holds 150 Disks...£16.45

DISK LABELS

Four Assorted Colours	
60 for	£1.00
200 for	£2.00
200 Tractor Feed Labels	£4.00

AMIGA 1500/2000 PERIPHERALS

GVP 52Mb Fast Access Hard Drive with 8Mb RAM Board	Was £264.99 Now £249.99
GVP 120Mb Fast Access Hard Drive with 8Mb RAM Board	Was £409.99 Now £389.99
GVP -2Mb SIMMS for above	£59.99
Fitted FREE if required	
COMMODORE A2300 Internal Genlock	£89.99
Amiga 1500 Unpopulated RAM Board	£84.99
With 2Mb SIMMS	£142.99

AMIGA CONTROL CENTRES

These are the original and best manufactured by Premier Micros from Sheet Steel, with welded Seams and Epoxy coated to colour match the Amiga. Precision made to fit over the back of the Amiga to make a perfect platform for a monitor etc and improve the looks of the Amiga. A500/A500 Plus Model - includes cables to re-route the mouse/joystick ports from the back of the Amiga to the right front side. With shelf for external disk drive etc £45.99 A600 Model RRP £39.95 **Our Price £29.95**

PRINTER RIBBON RE-INK

Simply open your plastic ribbon case, spray over the ribbon, replace the lid and leave for 24 hours. **BETTER THAN A NEW RIBBON** Guaranteed - Restores dozens of ribbons to new for just...£11.99

DISK DRIVES & EXPANSIONS

CUMANA CAX354 1Mb 3.5" Single disk drive -Enable/disable switch - Thru port - Power ex Amiga	£52.99
POWER PC880B DRIVE incorporates Anti-click Board, Blitz Back-up system software and built in Virus blocker	£67.99
NEW-POWER PC880B with Blitz and X-Copy	£94.99
REPLACEMENT A500 Internal disk drive, fully compatible and with full instructions	£41.99
MEMORY EXPANSIONS & SYSTEM UPGRADES 512k RAM Expansions with Clock and On/Off Switch	£23.99
1Mb MODULE FOR A500 PLUS Gives 2Mb Chip Memory	£44.99
AMIGA 600 - 1Mb Chip RAM Module with clock, plugs into Trapdoor underneath the A600	£49.99
KICKSTART ROMS	
V1.3 Kickstart ROM	£29.99
V2.04 Kickstart ROM	£49.99
ROM SHARER	
2 Position Switch	£19.99
BODEGA BAY Expansion Unit - adds Amiga 2000 expansion capabilities to Amiga 500. Includes own internal power supply	£179.99
PC EMULATOR	
K.C.S Power PC Board - Fits into RAM exp. slot under computer. Does not invalidate warranty	£199.99
ADAPTOR for 1500/2000	£64.99
OFFICIAL COMMODORE UPGRADE KIT Converts 1.3 Amiga to version 2.04 Workbench. Includes disks, manuals, ROM etc	£89.99

MULTIMEDIA

AMIGA CDTV - TRADE IN OFFER

Amiga CDTV player complete with Keyboard, Mouse and Floppy Disk Drive for only **£399.99** when you trade in your old Amiga (any model except 1000) provided it is in working order and with Mouse and Power Supply. We will arrange free collection and delivery if required.

C.D.T.V.

Amiga CDTV player	£399.99
Keyboard	£49.99
Mouse	£39.99
Floppy Disk Drive	£79.99
Track Ball	£79.99

CD-ROM DRIVE

Commodore A570 CD Rom Drive, plugs into Amiga A500 Expansion Bus to run CDTV Software...£339.99

NEW - PHILIPS CD-I...£599.99

DUST COVERS

Top quality Amiga Colour Dust Covers, Tailored, Monogrammed and with Bound Edges.

Protect Your Investment

Amiga 500 Keyboard	£4.99
Amiga 600 Keyboard	£4.99
Panasonic KX-P1124/1170	£4.99
Citizen 120D Printer	£4.99
Citizen Swift 9/24/124D	£4.99
Commodore Monitor	£4.99
Philips Monitor MK II	£4.99
Amiga 1500 Two Part Cover	£8.99
Star LC10 Printer	£4.99
Star LC200 Printer	£4.99
Star LC24/200 Printer	£4.99

AMIGA'S

OUR LOWEST AMIGA PRICES EVER!!!! ALL OUR AMIGA PRICES INCLUDE **FREE NEXT DAY DELIVERY ON ALL OUR AMIGA SYSTEMS**

ESSENTIAL ACCESSORIES PACK

Top quality 40 disk holder, 10 best quality disks with labels, quality mouse mat, mouse holder, tailored monogrammed dust cover. **SPECIAL PRICE £21.99** Extra special price if bought with any Amiga...£19.99

AMIGA 1500 STARTER PACK

Amiga 1500 Dual drive with 1Mb RAM, Mouse, Manuals and Amiga DOS, The Works - Platinum Edition, Deluxe Paint III, Home Accounts, Elf, Toki and Puzznic. Total RRP £699.99 **Audition Price £529.99**

AMIGA 2000 with 40Mb HARD DRIVE

Amiga 2000-Dual Drives, 1Mb RAM, Kickstart/Workbench 2.04 40Mb Fast Access Hard Drive, and Autobooting Controller Card. **SPECIAL PRICE including NEXT WORKING DAY DELIVERY £689.99**

COMMODORE AMIGA A600 - SUPER PACKS

PACK ONE

New compact design - Kickstart/Workbench 2.05, plugs directly into any T.V. 1Mb RAM, Smart Card Slot, 3.5" built in disk drive. Complete with mouse and PSU. **FREE 12 months in Home Service, Deluxe Paint III £269.99**

PACK TWO

THE WILD, THE WIERD & THE WICKED As PACK ONE, but excluding Deluxe Paint III. **PLUS FREE 3 GAME PACK GRAND PRIX by Microprose PUTTY by System 3, PUSHOVER by Ocean SPECIAL PRICE £339.99**

PACK THREE

EPIC/LANGUAGE LAB, HARD DRIVE PACK AS PACK ONE But excluding Deluxe Paint III. **PLUS 20MB BUILT IN HARD DRIVE. PLUS: TRIVIAL PURSUIT IN THREE DIFFERENT LANGUAGES. EPIC by Ocean, ROME by Millenium, MYTH by System 3 SPECIAL PRICE £469.99**

AMIGA 500 HARD DRIVES

GVP 52Mb Hard Drive PLUS 8Mb RAM Board	Was £339.99 Now £324.99
GVP 120Mb Hard Drive PLUS 8Mb RAM Board	£439.99
GVP COMBO 40Mhz Accelerator PLUS 120Mb Hard Drive PLUS 8Mb RAM board all in one case	£749.00
GVP - 2Mb SIMMS for above	£59.99
GVP 16Mhz PC286 Emulator - plugs inside GVP Hard Drive	£229.99
4Mb SIMM for above (fitted FREE if required)	£169.99
ZAPPO A500/A500+ Hard Drives - take up to 8Mb of SIMMS, mouse operated Games Switch, SCSI through port, 12 month warranty.	
ZAPPO A500/40Mb Hard Drive	£299.99
ZAPPO A500/60Mb Hard Drive	£349.99
2 x 1Mb SIMMS for above (free fitting)	£59.99
2.5" IDE Hard Disks for Amiga A600 Simply fits inside your Amiga A600, complete with leads.	
20Mb	£129.99
60Mb	£199.99
80Mb	£249.99

PRINTERS

We are **CITIZEN SUPER DEALERS** and Authorised to offer their Full 2 years Guarantee on all CITIZEN Products. This Guarantee covers all parts and labour including Printer Head.

FREE WITH ALL OUR PRINTERS: Exclusive Printer Starter Kit Comprising:
 ★ 200 Sheets Quality Paper
 ★ 200 Sheets Continuous Paper
 ★ 200 Tractor Feed Address Labels
 ★ 2 Metre Amiga Printer Cable
 ★ Special Amiga drivers disk to match your Amiga perfectly to any of our printers **Free next working day delivery on all Printers**

NEW CITIZEN SWIFT 2 SERIES

Whisper quiet - very fast - 2 year warranty	
CITIZEN SWIFT 200	
- 9 pin mono	£234.99
CITIZEN SWIFT 200	
- 9 pin Colour	£279.99
CITIZEN SWIFT 240	
- 24 pin colour	£299.99
CITIZEN SWIFT 9 COLOUR	£199.99
CITIZEN 224 COLOUR	£249.99
CITIZEN SWIFT 24 COLOUR	£249.99
CITIZEN PN48 Notebook Printer	£229.99

NEW STAR LC 100 SERIES

STAR LC100 - 9 pin mono	£169.99
STAR LC24/100 - 24 pin mono	£199.99
STAR LC20 MONO	£134.99
STAR LC200 COLOUR	£199.99
STAR LC24/20 MONO	£229.99
STAR LC24/200 COLOUR	£269.99
PANASONIC KXP1170	£149.99
PANASONIC KXP 1124i	£239.99
PANASONIC KXP 2180 Colour	£209.99
PANASONIC KXP 2123 Colour	£299.99

INKJET PRINTERS

CITIZEN PROJET	£399.99
CANON BJ10EX Portable Bubble Jet Printer with 3 fonts, Cable etc	£249.99
CANON BJ20 - 8 fonts, 50 sheet Auto sheet Feeder, Portable, mono printer	£345.00
COMMODORE MPS1270 Ink Jet Printer. Special Price	£129.99

INKJET CARTRIDGES

CANON BJ10E Ink Cassette	£17.99
COMMODORE MPS1270 Ink Cassette	£14.99
COMMODORE MPS1270 Cartridges	£14.99
REFILL INKJET CARTRIDGES - TWIN PACKS (easy load)	
HEWLETT PACKARD/CITIZEN PROJET	
Black	£16.99
Blue	£18.99
CANON BJ300/330	Black £18.99

MONITORS

PHILIPS CM8833 Mk II Colour monitor, High Resolution, Twin Speaker Stereo complete with all leads and One Year on-site Warranty with **FREE Lotus Turbo Challenge 2 Game £199.99**

COMMODORE 1084S Monitor High Resolution Colour Monitor, Twin Speaker Stereo inc Leads...£209.99

COMMODORE 1085 SD2 Stereo Colour Monitor...£229.99

Genuine Philips Tilt & Swivel Monitor Stands...£16.99

COMMODORE 1960 MULTI SYNC MONITOR Complete with leads to plug straight into the Amiga 500 Plus...£436.99

MICROWAY FLICKER FIXER fits inside Amiga 1500/2000 for flicker free Graphics when used with Commodore 1960 Monitor...£99.99

Please note that all our Monitors are official UK Specifications. We do not sell Grey Imports of any kind.

All our monitors include **FREE next working day delivery**

GOLDEN IMAGE NAKSHA ABACUS SEGA DIGITA PANASONIC JVC MITSUBISHI EPSON CANON TOSHIBA HEWLETT PACKARD GOLDSTAR ZYDEC

12.00 Midnight

You are welcome to visit our 1000 sq foot retail shop which is packed with Computer Hardware and Software. Make a day of it, in one of England's loveliest Old Towns.

AMIGA BOOK SPECIALS

Advanced Amiga BASIC.....	£16.95
Amiga Adv. System Prog. Guide.....	£29.95
Amiga BASIC Inside and Out.....	£18.95
Amiga C for Advanced Programmers.....	£28.95
Amiga C For Beginners.....	£17.95
Amiga Desktop Video Guide.....	£16.95
Amiga Desktop Video Power*.....	£24.95
Amiga Desktop Video Workbook*.....	£29.95
Amiga DOS a Dabhand Guide.....	£14.95
Amiga DOS Inside & Out	
Revised Edition with Disk.....	£23.95
Amiga DOS Reference Guide 3rd Ed.	£17.95
Amiga DOS Quick Reference.....	£8.95
Amiga DOS 2 Companion.....	£22.95
Amiga For Beginners:-	
New Version on W/B 1/3 & 2.0.....	£12.95
Amiga Graphics Inside & Out.....	£29.95
Amiga Machine Language.....	£14.95
Amiga Printers Inside & Out.....	£28.95
Amiga Programmers Handbook Vol 2.....	£22.95
Amiga ROM Kernel Ref Manual 3rd	
Edition: Devices.....	£32.95
Amiga ROM Kernel Ref Manual 3rd	
Edition: Includes and Autodocs.....	£34.95
Amiga ROM Kernel Ref Manual 3rd	
Edition: Libs.....	£31.95
Amiga Hardware Reference Manual	
3rd Edition.....	£25.95
Amiga 3D Graphics Programming in	
BASIC.....	£16.95
The Best Amiga Tricks and Tips*.....	£24.95
C: A Dabhand Guide.....	£14.95
The Commercial Games Programmers	
Guide.....	£11.95
Desktop Video Production.....	£13.95
Fast Guide to Arexx.....	£5.99
Get Most Out of Your Amiga Vol 1.....	£9.95
Get Most Out of Your Amiga Vol 2*.....	£13.95
GFA Basic Interpreter with Disk.....	£19.99
Inside Amiga Graphics.....	£16.95
Kids and the Amiga - 2nd Edition.....	£14.95
Learning C: Programming Graphics	
on the Amiga.....	£16.95
Learning to Fly with Flight Sim.....	£12.95
Making Music on the Amiga*.....	£29.95
Mastering Amiga Beginners *.....	£19.95
Mastering Amiga DOS 2 - Vol. 1	
NEW EDITION*.....	£21.95
Mastering Amiga DOS 2 - Vol. 2	
NEW EDITION.....	£17.95
Mastering Amiga Printers.....	£19.95
Mastering Amiga System.....	£29.99
More Amiga Tricks and Tips.....	£18.45
Screen Play 2.....	£9.95
Using AREXX on the Amiga Plus*.....	£29.95
Using Deluxe Paint - Second Edition.....	£18.95

* With FREE Disk

SERIOUS SOFTWARE

Wordworth v1.1 from Digita.....	£74.99
Scala 500.....	£89.99
Scala (Needs 1.5Mb Ram & Hard Drive).....	£159.99
Gold Disk Office.....	£63.99
Pen Pal.....	£53.99
GB Route Plus.....	£59.95
Design Works.....	£57.99
Quarterback.....	£46.99
Quarterback Tools.....	£59.99
Home Accounts.....	£19.99
Home Accounts 2.....	£36.99
X-Backup Pro.....	£35.99
Pagesetter II.....	£39.99
Amos.....	£32.49
Amos Compiler.....	£19.49
Amos 3D.....	£21.49
Easy AMOS.....	£25.99
Pagestream 2.2.....	£139.99
Final Copy v1.3 from (PEN PAL).....	£45.99
NEW Final copy II.....	£89.99
ART DEPARTMENT	
PROFESSIONAL.....	£179.99
INTRO CAD.....	£49.99
PROFESSIONAL CALC.....	£129.99
PROFESSIONAL DRAW v2.0.....	£87.99
PROFESSIONAL PAGE v3.0.....	£109.99
NEW MINI OFFICE Wordprocessor, 50,000	
Word Spell Checker, Database, Spreadsheet,	
Disk Manager & Graphics	
RRP.....	£59.99
Special Offer.....	£47.99

EDUCATIONAL SOFTWARE

Fun School 2 - Under 6's.....	£9.99
Fun School 2 - 6 to 8's.....	£9.99
Fun School 2 - Over 8's.....	£9.99
Fun School 2 - 8 and Over.....	£12.45
Fun School 3 - Under 5.....	£15.45
Fun School 3 - 5-7 Years.....	£15.45
Fun School 3 - 7 and Over.....	£15.45
Fun School 4 - Under 5.....	£16.45
Fun School 4 - 5-7 Years.....	£16.45
Fun School 4 - 7 and Over.....	£16.45
ADI Maths 11/12.....	£19.99
ADI Maths 12/13.....	£19.99
ADI English 11/12.....	£19.99
ADI English 12/13.....	£19.99
Paint 'N' Create 5 years+.....	£22.99
Merlin's Maths 5 - 13 years.....	£22.99
Spelling Fair 7 - 13 years.....	£22.99

KOSMOS

Answer Back Junior.....	£14.45
Answer Back Senior.....	£14.45
Fact File 500 - 20th Cent. History.....	£7.95
Fact File 500 - General Science.....	£7.95
Fact File 500 - Know England.....	£7.95
Fact File 500 - English Word.....	£7.95
Fact File 500 - Natural History.....	£7.95
Fact File 500 - World Geography.....	£7.95
Fact File 500 - First Aid.....	£7.95
Fact File - Spelling.....	£7.95
Fact File - Sport.....	£7.95
Fact File - Arithmetic.....	£7.95
Fact File - Association Football.....	£7.95
The French Mistress.....	£14.45
The Italian Tutor.....	£14.45
The German Master.....	£14.45
The Spanish Tutor.....	£14.45
Maths Adventure.....	£19.99

L.C.L

Micro English (GCSE).....	£18.95
Micro French (GCSE).....	£18.95
Micro Maths (GCSE).....	£18.95
Micro German (GCSE).....	£18.95
Mega Maths (A Level).....	£18.95
Primary Maths (3-12).....	£18.95
Reading and Writing (3-8).....	£17.95

MISC

Better Spelling (8-Adult).....	£16.99
Lets Spell at Home - SPECIAL.....	£9.99

SOFTWARE SPECIALS

Infofile Database.....	£29.95
Music Mouse.....	£14.99
Rombo RGB Colour Splitter.....	£59.95
Outline fonts.....	£99.99
Deluxe Print II.....	£34.95
Photon Paint.....	£9.99
Lets Spell at Home.....	£9.99
Photon Paint II.....	£24.99
GFA Basic Interpreter.....	£14.99
TV SHOW/TV TEXT Video Titler and	
special effects	
RRP £159.99.....	SPECIAL PRICE £49.99
AMIGA VISION Presentation and	
Multimedia Software	
RRP £111.99.....	SPECIAL PRICE £39.99
PERSONAL WRITE Amiga Plus compatible	
Word Processor with Spell Checker. Ideal for	
beginner.....	£24.99
Megamix Masters by ROMBO.....	£29.99

NEW DELUXE PAINT III TUTOR VIDEO

Learn to get the best from NEW Deluxe Paint III. This video shows you how to design and execute your own Animations, Titles and so much more in a Step-By-Step, Easy-To-Follow way.

Subjects covered include:

- ★ Screen Painting
- ★ Zoom
- ★ Colours
- ★ Working with Text and Fonts
- ★ Stencils
- ★ Perspective
- ★ Animation
- ★ Video Titling etc, etc



RUNNING TIME: NEARLY THREE HOURS!! Superb Value At ONLY £18.99 inc Post & Packing

"I was a little sceptical about the chances of taking a complete beginner to such artistic heights but I must admit to being wrong"

AMIGA COMPUTING, September 1991

ACCESSORIES

TRACEY Mouse Drawing Aid. Attaches	
simply to side of Mouse and features precision	
moulded crosshairs to enable you to trace any	
picture into your graphics package.	
With full colour instruction manual.....	£6.95
AUDIO LEADS - connect your Amiga	
to your Hi-Fi	
3 Metre Stereo Audio Leads.....	£4.99
5 Metre Stereo Audio Leads.....	£5.99
Quality Soft Mouse Mat.....	£2.99
Mouse Bracket (to hold mouse).....	£1.99
3.5" Disk Drive Head Cleaning Kits.....	£1.99
Twin Joystick/Mouse Extension Lead.....	£5.99
Joystick/Mouse "Y" Lead.....	£5.99
Joystick/Mouse Switch Box.....	£9.99
Joystick/Mouse Auto Sensing Switch Box	
by Robo.....	£16.99
Aerial Switching Boxes, fit in TV lead to	
eliminate constant disconnection	
and wear on TV.....	£3.99
Surge Protection Plugs.....	£11.99
Printer Cables.....	£7.99
Modulator Extension Lead Stops Your	
Modulator falling out!!! Plugs into Modulator	
port and Modulator and allows Modulator to sit	
along the back of the Amiga instead of	
projecting. Approx 12" cable length.....	£10.99
Naksha Mouse with FREE Mouse Mat,	
FREE Mouse Holder and Operation	
Stealth Game.....	£20.99
Techno-Plus Mouse	
Microswitched 300DPI!!.....	£17.95
POWER Scanner.....	£99.99
GENITRAC 200 DPI Trackball.....	£44.99
GVP DSS8 - Digital Sound Studio	

Sound Sampler.....	£57.95
MIDI CONNECTOR, MIDI LEADS &.....	
FREE MUSIC X JUNIOR.....	£39.99
QUICKJOY Foot Pedal.....	£24.95
VOLTMACE DELTA 3A	
Analogue Joystick.....	£12.99
GRAVIS CLEAR - THE Joystick.....	£36.99
ZIPSTICK SUPERPRO Autofire	
Joystick.....	£12.99
SIGMA RAY (Pistol Grip - Auto Fire).....	£13.49
FREEDOM CONNECTOR - Plug in your own	
Joystick which then becomes Infra Re	
Remote.....	£19.99
MOUSE PAD/MOUSE POCKET -	
Gift Pack.....	£4.99
OPTICAL MOUSE.....	£34.99
PLOKNER BOX - keeps those often used disks	
close to hand, sticks on side of CPU or	
monitor.....	£4.99
DESK TOP COPY HOLDER. Makes	
typing and inputting easier.....	£9.99
SPACE SAVER COPY HOLDER. Moving	
arm, clamps to edge of desk.....	£17.99
PRINTER STAND. Fits any printer.....	£7.99
3 Metre Joystick OR Mouse Extension	
Lead.....	£5.99
PRIMAX 350 DPI Mouse.....	£14.99
ALPHA Data Scanner - Scan & Save.....	£124.99
ALPHA Data Scanner - Touch Up.....	£149.99
NAKSHA SCANNER - plugs in side	
expansion.....	£99.99
PODSCAT PT3030 DIGITISING TABLET	
complete with PSU & Driver.....	£209.99

AUDITION COMPUTERS LTD

Dept AMF, 35 Broad St, Stamford,
Lincs PE9 1PJ

Tel: (0780) 55888 Shop Hours
(0780) 720531 out of hours



- ☎ Telephone direct to our mail order hotline. All major credit cards accepted. Quote your number and expiry date. Same day despatch.
- ✉ Send all forms of payment made payable to Audition Computers Ltd. With your order please send your name, address and daytime telephone number. Along with your detailed order requirements. Goods will be sent by post, free of charge immediately after cheque clearance.
- 🚚 All our prices include FREE standard delivery on all orders over £15.00. Next working day delivery only £2.50 extra on all orders over £100.00

MINIMUM ORDER £15.00 else surcharge £2.00

ALL OUR PRICES INCLUDE V.A.T.

The Future Entertainment Show

Earls Court November 5-8 1992

Incorporating the



Amiga Bazaar

LATE NEWS!!
Commodore are planning a major
Amiga announcement at the Show!

**AMIGA
FORMAT**



It's easier to travel by train. If you live in the Network SouthEast area, travel by train and avoid traffic jams and parking problems, jump huge queues and save on admission (Adults £5.95, Under 14's £3.95), when you buy the all in One Day Travelcard/Admission ticket. From any staffed Network SouthEast station.

Network SouthEast

Amiga gains!

Come and see the Amiga at its best at the Future Entertainment Show. All the major Amiga hardware and manufacturers will be there with special Show products. And Earls Court will be packed with dozens of dealers selling Amiga kit at the lowest possible prices!



The Future Entertainment Show: it'll save you serious money

Priority tickets

I would like to order advance tickets for the Future Entertainment Show and save £1.05 per ticket.
 Please send me _____ adult tickets at £5.95 each
 Total Payment £ _____ under-14 tickets at £3.95

Method of payment
 Please make all cheques payable to:
 FUTURE ENTERTAINMENT SHOW
 Card number _____
 Expiry Date _____
 Signed _____

- Visa
- Access
- Cheque
- PO

Name _____ Address _____ Post code _____
 Send this form to:
 FUTURE ENTERTAINMENT SHOW
 PO Box 2, Ellesmere Port,
 South Wirral,
 L65 3EA

AF/11

CALLERS WELCOME AT OUR BRANCHES OPEN 9-5.30 MONDAY TO SATURDAY

ST ALBANS OPEN SUNDAYS
10.00AM - 4.30PM

HOBBYTE PD TOP TEN
ALL AT £1.00 PER DISC

1. Sid II
2. Protracker
3. Sea Lance
4. Doody
5. Hobbyte Plus Games Compilation (3 discs)
6. Amibase Pro II
7. Battlement
8. Arazmax
9. More Hobbyte Childrens Games (5-10 years, 2 discs)
10. Super Pacman

AMIGAs FROM £195

A limited number of refurbished A500/1500's are available, complete with 3 months warranty. Also, ask about refurbished printers, 590 and other hard drives, monitors and peripherals

AMIGA 3000
12 MONTH ON-SITE MAINTENANCE

Latest version, 68030 25MHz, 3.5" 880K FD + spare drive bay (or 4 spare bays on Tower), 512K 32 bit ROM, 4 Zorro III, slots with 2PC AT slots (or 1 CPU, 7 Zorro III, 2 PC AT on Tower), hard drive and memory as below:

DESKTOP	52MB	105MB	210MB	425MB
1MB video + 1MB Fast Ram	1389	1589	1849	2249
2MB video + 1MB Fast Ram	1499	1699	1959	2359
2MB video + 4MB Fast Ram	1649	1749	2029	2429
2MB video + 8MB Fast Ram	1779	1879	2149	2559
TOWER				
1MB video + 4MB Fast Ram	-	2299	2549	2949
2MB video + 8MB Fast Ram	-	2449	2699	3199

With Multimedia Pack: AmigaVision, Deluxe Paint 4.1 and Scala **ADD £195.99**
Or with Pro Page 3 + Pro Draw 3 **ADD £165.99**
With extra 4MB Fast RAM (fitted if required) **ADD £169.99**
With Philips SVGA 28dpi inc. tilt & swivel **ADD £259.00**

STARTER PACK I

	MAX VALUE/RRP
• 10 Blank Discs + 80 capacity lockable disc box	26.98
• Mouse Mat	4.99
• Virus Killer Disk	4.99
• DPaint III or Home Accounts	79.99
• 4 disc DP pack inc. Fonts, Cip Art and Disc Tutor	9.99
TOTAL VALUE	126.94
WITH AMIGA/CDTV SEPARATELY	17.99 / 24.99

NO OTHER DEALER CAN BEAT OUR CREDENTIALS

- 8+ years experience in Commodore product and here to stay
- Commodore trained staff are friendly and helpful and are parents, multimedia, educational, games, programming or technical specialists (usually more than one!)
- Open 9-6 pm Monday to Saturday and 10.00 am to 4.30 pm Sundays for convenient shopping.
- Callers welcome for advice and demonstration at our 1600+ sq ft High St, Town Centre branches
- Next day delivery for most orders received by 5 pm; express am and Saturday services available
- Hardware carefully handled and delivered safely and reliably by caged, insured, top name courier service
- 100% pre-despatch testing on Amigas
- Free 30 day, next day courier collection and delivery of NEW replacement (except product with on-site maintenance)
- Hotline support and in-house engineers
- Upgrade and trade in offers to keep you up to date
- Exceptional after sales service

NOT JUST ANOTHER MAIL ORDER COMPANY

For years a major player in Amiga Mail Order, Hobbyte also boast extensive expertise and experience in specification and support of multi-machine and specialist systems. Hobbyte have been recommended and trained by Commodore and successfully won major orders and support contracts from London Boroughs, MOD, educational establishments etc. We are pleased to be placed on tender lists. This expertise is available to all our customers.

Hobbyte

COMPUTING
ESTABLISHED 8 YEARS

10 MARKET PLACE ST ALBANS
HERTS AL3 5DG TEL: (0727) 56005/41396
THE GALLERY ARDALE CENTRE LUTON
BEDS LU1 2PG TEL: (0582) 457195/411281

AMIGA 600

A600 with 12 month on-site warranty, 1MB, WB 2.05, 3.5" FD + Smart Card Interface

	ALONE	WITH UK 8833/CBM 1084
A600	264.00	444.00
A600 20MB HD	434.00	609.00
A600 20MB*	394.00	574.00
A600 60MB*	494.00	674.00
A600 80MB*	534.00	714.00
A600 120MB*	594.00	774.00

2MB VERSION ADD £45

WITH DELUXE PAINT III + GAME ADD £5

See below/across for alternative software packs
* Top quality 3rd party drives, covered by full 12 month return-to-base warranty

OLD AMIGA TRADE-IN

The best trade-in allowance, extra for peripherals and accessories. Trade in your old machine for a brand new A600/ A1500/2000/3000, CDTV or even a PC.

HOBBYTE PD GREATS PACK II - EXCLUSIVE
15 DISCS CONTAINING THE BEST OF THE BEST!

Includes top games like Battlecars, Star Trek, Computer Conflict, Megaball, dozens of arcade classics, board classics and 'shoot-em-ups', DPaint clip art, Utilities, Word Processor, Spreadsheet, Database + Desktop Publisher and the ultimate virus killers - a must for every new Amiga owner!
Included with selected Hobbyte software packs, or available separately at only £39.99

1500 PACK EXTRA

(ALSO FOR A500, A500+, A600 CDTV, 3000)

	VALUE/RRP
• The Works Platinum, word processor, spreadsheet, database	169.95
• Deluxe Paint III with animation	79.99
• Get the most out of your Amiga book	9.95
• Hobbyte PD Greats Pack - see panel opp. below right	39.99
• 4 disc DP pack inc. Fonts, Cip Art and Disc Tutor	9.99
• Puzznic	24.99
• Toki	24.99
• Digital Home Accounts	29.99
• Elf	29.99
• Joystick	9.99
TOTAL VALUE	429.82
WITH AMIGA/CDTV SEPARATELY	49.99 / 69.99

WHAT THE CUSTOMERS SAY

"...extremely courteous and rapid response to my problem"... "I will not hesitate to recommend you to my colleagues."

Dr Darrel Maddy - Slough

"Thank you for dealing so promptly with my requests..." "I was reluctant about ordering my computer mail order. However I have been very pleased with my dealings with Hobbyte - you are to be commended for your customer service."

Trevor Patterson - Bangor

"We have dealt with many of the leading computer suppliers, in the past, but the service you provided was second to none."

EW Bailey - Preston

"...Thank you for everyone's good service..." "it arrived at 7.20am the next morning."

David J Thomas - Wolverhampton

"I was very impressed with the service I received in the first instance, I really appreciated how quickly you managed to get the printer despatched from your Luton branch for me."

J S Cozadinos - Amersham

HOW TO USE THIS AD

For the first time ever, you can choose your own Amiga and software combination, and still benefit from the huge savings only available from package deals. Want an A500 with 1500 software? No problem! Like an A1500 without games? It's up to you! All we ask is that you choose at least 1 software pack when you order your hardware (optional on CDTV, A3000 or CBM 386)

WE WANT TO BEAT ALL PRICES! CALL US!!

AMIGA 1500/2000

Full UK spec. with 1MB RAM, mouse, expansion as 2000, leads, manuals. New including Kickstart & Workbench 2.04.

Hard disc configuration inc. the high performance GVP II controller card, EXPANDABLE TO 8MB. Fast reliable 52MB +120MB Quantum Drives are used.

	ALONE	WITH 8833/1084	WITH 7CM + M/W FFXFER
Dual Drive	485.00	662.00	889.00
DD+GVP+20MB HD	699.00	879.00	1099.00
DD+GVP+52MB HD	765.00	949.00	1169.00
DD+GVP+120MB HD	908.00	1092.00	1299.00

Per extra 2MB fitted to GVP **ADD £60.00**
Also with Kickstart 1.3 + ROM Shaver **ADD £39.90**
Also with XT/AT BB for PC compatibility **ADD £95/£200.00**

CDTV

1MB, with Disc Caddy, Welcome CD + tutorial + remote control unit.

AS ABOVE WITH MATCHING DRIVE
KEYBOARD, MOUSE + WB 1.3

As above	£299*	£349*
With Goldstar Black TV monitor + remote control	£458*	£508*

Extra RAM **EPOA**

* When you trade in your old Amiga 500 - phone for details.

For price without trade in - please phone

See below/across for software packs

NEW PRICES! PHONE!!

THE HOT LOT PACK MKII (1MB REQUIRED)

	VALUE/RRP
• Cartoon Classics Games: Lemmings	25.99
OR Elf	25.99
The Simpsons Toki	24.99
Captain Planet Puzznic	25.99
• Deluxe Paint III with animation	79.99
• 10 GREAT individually packaged games, previous RRP's up to 39.99 each, phone to choose from current list, or leave it to us! Children's games available.	269.82
• Hobbyte PD Greats Pack II - see insert	39.99
• 4 disc DP pack inc. Fonts, Cip Art and Disc Tutor	9.99
• Dust Cover + mouse mat	9.98
• 10 Blank Discs + 80 Capacity Disc Box	26.98
• Microswitch turbo joystick	9.99
TOTAL VALUE	523.71
WITH AMIGA SEPARATELY	59.99 / 79.99
SPECIAL: ALSO 10 extra great games	ADD 25.00

PROFESSIONAL FAMILY PACK (1MB REQUIRED)

	VALUE/RRP
• Cartoon Classics Games: Lemmings	25.99
The Simpsons	24.99
Captain Planet	25.99
• Deluxe Paint III with animation	79.99
• The Works Platinum Word Processor, Spreadsheet and Database	169.99
• Ed the Duck	29.99
OR Back to the Future and Postman Pat (1.3 only)	
OR Digital Home Accounts	
• Virus Killer Disk	4.99
• Hobbyte PD Greats Pack - see panel opp. below right	39.99
• 4 disc DP pack inc. Fonts, Cip Art and Disc Tutor	9.99
• Hobbyte Infant, Junior (specify) or Secondary Educational Pack	19.99
• 10 Blank Discs + 80 Capacity lockable disc box	26.98
• Mouse Mat + Dust Cover	9.98
• Joystick	9.99
TOTAL VALUE	478.85
WITH AMIGA/CDTV SEPARATELY	79.99 / 99.99
SPECIAL: Also with Star LC 200 9 PIN Colour Printer and Starter Pack	ADD 179.00
Also with Citizen 224+24 Pin Colour Printer and Starter Pack	ADD 230.00

NEW**COMMODORE 386SX GAMES + WP PACK**

CBM 386 16MHZ, 40MB HD, 1MB EXP TO 17MB RAM, 3.5" DRIVE, VGA 14" COL MONITOR

- CD quality stereo speakers
- Ad lib Sound card
- Mouse
- 8 entertainment titles: Wing Commander, Hard Drivin 2, Mig 29, Trivial Pursuit, Escape from the Planet of the Robot Monsters, Pitfighter, Castle Master, Super Space Invaders
- Secretary Bird WP, Spreadsheet, Database
- DOS 5
- User Friendly Front End Icon Menu
- Full 1 year on-site warranty

£649*

Also with Star LC 24-20 Printer, lead, paper and printer stand

£824*

*** WITH 1MB A500 PART EXCHANGE!!
- PHONE FOR DETAILS!**

COMPLETE RANGE OF PC'S + NOTEBOOKS AVAILABLE

ABSOLUTE BEGINNERS PACK 3-9 YEARS

VALUE/RRP

- Fun School 2, under 6 years, 6-8 years or 8+ years 19.99
- Fun School 3 or 4, specify under 5 years, 5 to 7 years or 7+ years.
- 12 stunning UK educational games with beautiful pictures, exciting animation and music that helps to develop number, word and other skills. Up to 6 skill levels. Conform to National Curriculum requirements. 24.99
- Postman Pat (1-3 only), OR Edd the Duck (7+ years) OR Matched Pairs OR Blinky's Scary School 14.99
- Hobbyte Infant or Junior (specify) Educational Pack, featuring up to 12 "Learn while you play" games 19.99
- Hobbyte 30 Easy Children's Games, 10 pack disc including Train Set and other top entertaining PD titles 19.99
- 10 Blank Discs 6.99
- Joystick 9.99
- Deluxe Paint II/Photon Paint II or Elf or Puzznik 89.99
- 4 disc DP pack inc. Fonts, Clip Art and Disc Tutor 9.99

**TOTAL VALUE 216.91
WITH AMIGA/CDTV SEPARATELY 49.99 69.99**

SPECIAL: With 3 great boxed games and Dpoint III + animation instead of Dpoint II/Photon Paint II (1MB req.) VALUE 80.00 ADD 16.99

TRAMPY'S OR THOMAS'S PACK 2-9 YEARS

AT LEAST 57 EDUCATIONAL/FUN FILLED GAMES!

MAX VALUE/RRP

- The Shoe People - 6 colourful and entertaining games featuring Trampy and friends to encourage early number reading and pre-reading skills. With Shoe People music OR Thomas the Tank Engine's Fun with Words - 6 separate easy to use learning programmes with animation and sound. 29.99
- Shapes and Colours - Bobby the Clown entertains and lays down the foundation for maths and writing in 6 colourful animated games. 9.99
- Fun School 2, 3 or 4 - the "Fun School" suite have won just about every award going. 5 or 6 wonderful animated games. 24.99
- OR Picture Book: 4 colourful and amusing games from ex 'Fun School' design manager will delight young children. 89.99
- Deluxe Paint II/Photon Paint II or Elf or Puzznik 89.99
- Hobbyte Infant Educational PD Pack, containing 10 fun while you learn games 19.99
- Hobbyte 30 Easy Children's Games Pack 19.99
- 10 Blank Discs, Disc Box, Joystick, Mouse Mat 26.96*
- 4 disc DP pack inc. Fonts, Clip Art and Disc Tutor 9.99

**TOTAL VALUE 231.89
WITH AMIGA/CDTV SEPARATELY 49.99 69.99**

SPECIAL: With 3 great boxed games and Dpoint III + animation instead of Dpoint II/Photon Paint II (1MB req.) VALUE 80.00 ADD 16.99

A3000 24 BIT SYSTEM THE ULTIMATE!!

- Extra 4MB Fast RAM • Progressive 68040 accelerator
- 24 bit colour card • Vlab 24 bit colour real time digitizer
- 24 bit 3D Art + animation s/w
- Fitting and Free 1/2 day customised training

TOTAL RETAIL PRICE OVER £6,000

HOBBYTE PRICE £3995 INC VAT

MITSUBISHI SCANNER

G650/40

A3 postscript colour ink jet printer, 8MB with starter kit

HOBBYTE PRICE £7349 INC VAT

AMOS PROGRAMMER'S PACK (1MB REQ.)

VALUE/RRP

- EASY AMOS - complete, simplest possible, fun-to-use beginner programming course. Learn to write professional looking arcade games, educational, etc. software in weeks, not years. Complete with graphics, sound, animation and more. OR Amos the Creator. 34.99
- Cartoon Classics Games: OR Lemmings Elf 25.99
- Captain Planet Puzznik 25.99
- The Simpsons Digita Home Accounts 24.99
- Hobbyte PD Greats Pack - see panel below right 39.99
- 20 Blank Discs + 80 Capacity LockableDisc Box 33.97
- Mouse Mat, Dust Cover & Microswitch Turbo Joystick 19.97
- 'Get the Most out of Your Amiga' book 9.95

**TOTAL VALUE 215.84
WITH AMIGA/CDTV SEPARATELY 64.99 79.99**

ARTISTS DTP/CAD PACK

VALUE/RRP

- Deluxe Paint III with animation (upgradeable to DP IV) 79.99
- Power 400dpi scanner with Powerscan professional s/w 99.99
- 10 disc Hobbyte PD Graphics Pack inc. clip art + utilities 39.99
- Cartoon Classics Games: OR Lemmings Elf 25.99
- Captain Planet Puzznik 25.99
- The Simpsons Digita Home Accounts 24.99
- Hobbyte PD Greats Pack - see panel below right 39.99
- 20 Blank Discs + 80 Capacity LockableDisc Box 33.97
- Mouse Mat, Dust Cover & Microswitch Turbo Joystick 19.97
- 'Get the Most out of Your Amiga' book 9.95

**TOTAL VALUE 400.82
WITH AMIGA/CDTV SEPARATELY 139.99 169.99**

AS ABOVE, PLUS PRO PAGE 3 AND PRO DRAW 3 VALUE 449.00 ADD 149.00

ACCESSORIES

Blitz virus protector + backup device for any external drive	23.99
AS20 Modulator	19.99
A500 Deluxe control centre	44.99
A600 Control Centre	29.90
CDTV Keyboard	39.99

MODEMS

Amstrad SM 2400 Modem	118.99
Supra Fax 2400 + 5 year warranty	78.95
Supra Fax 2400 Plus + 5 year warranty	137.95

FLOPPY DRIVES

Zydec 3.5 external drive, daisychain + on/off	48.95
Cumana CAX 354 3.5 external drive, beige	52.99
CDTV external 3.5 drive, black	49.99
PC 880B with anti click + Blitz back up and virus protector	67.95
PC 880B as above, Cyclone compatible	78.99
Dual drive as PC 880B	115.95

MONITORS/ACCESSORIES

CBM 1084SDI monitor + leads	194.99
Philips UK 8833 MKII mon. + leads + (Turbo Challenge + on-site)	199.00
Tilt + swivel stand for Philips 8833	12.99
Philips 3332 FST TV/Monitor	238.99
CBM 1960 High res monitor	379.99
Philips 7CM Hi-res SVGA .28dp inc. tilt & swivel	259.99
NEC 4FG Multi-Sync	544.99
Microway Flicker Fixer	135.99
ICD Flicker Free Video 2-A500	197.90

SCANNERS & DIGITISERS

Epson GT 6000, 600dpi 24 bit A4	982.99
Epson GT 8000, 800dpi 24 bit A4	1192.99
Power Hand Scanner, 400 dpi, 64 Greyscale, Powerscan software	88.99
Power Colour Hand Scanner	219.49
Sharp JX 100 A6 Scanner + scanlab s/w up to 18 bit	469.99
Sharp JX 320A6 Scanner + s/w up to 24 bit	898.99
Vidi Amiga 12	77.99

GENLOCKS

CBM Rendale 8802/8806	POA	Roxgen Plus	114.49
CBM Rendale 8802 SVHS	529.99	Progen	85.99
Roxgen	78.95	Video Pilot v330	994.94

DISCS

10 Blank DS/DD discs in box	6.99	50 Blank DS/DD discs	17.99
10 Blank DS/HD discs	8.99	50 Blank DS/HD discs	27.99

ACCELERATORS/HD A500/600

AS30 1MB 52MB	658.99	Roxtec Roxhard 40MB	162.99
AS30 1MB 105MB	827.99	Roxtec Roxhard 60MB	256.99
AS30 1MB 240MB	1017.99	Roxtec Roxhard 80MB	326.99
AS30 68882	227.99	Roxtec Roxhard 120MB	362.99
GVP HD8 52MB	344.50	AS90 20MB	259.99
GVP HD8 120MB	463.99	AS70 for 2.04 1MB 500	309.99
GVP HD8 240MB	725.99	IYS Trumpcard 42MB HD	279.99

Per extra 2MB fitted to any of the above 62.99

ACCELERATORS/HD A1500/20000/3000

GVP Series II 52MB	278.99	G Force 030 40MHz 4MB	889.99
GVP Series II 105MB	416.99	G Force 030 50MHz 4MB	1259.99
GVP Series II 240MB	643.99	Prog Zeus 040 28MHz 4MB	1739.99
G Force 030 25MHz 1MB	539.99	Prog Mercury 040 28MHz (3000)	1349.99

Per extra 2MB fitted to any of the above 62.99

1.3 TO PLUS UPGRADE

Chip fitting and board upgrade available, by our qualified engineers or DIY kit POA

EMULATION

KICS Powerboard	174.99	GVP 286 for GVP II + 530	216.99
KICS Powerboard with DOS	199.95	XT Bridgeboard for 1500	99.00
KICS adaptor	69.50	AT Once	214.99
AT Bridgeboard for 1500	329.99	GVP 40/4 for 1500	945.99
Vortex 386sx 25MHz	438.99		

PRINTERS

ALONE		WITH STARTER PACK		ALONE		WITH STARTER PACK	
Citizen 120+D	108.99	Citizen Swift 24e	239.25	Citizen 120+D	108.99	Citizen Swift 24e	239.25
Star LC20	117.25	Citizen Swift 24e col*	248.25	Star LC200 col	167.25	Star XB 24/200 col*	347.99
Star LC200 col	167.25	Star XB 24/250 col*	416.99	Citizen Swift 9	167.25	HP Deskjet	329.99
Citizen Swift 9	167.25	HP Deskjet col	509.99	Star LC 24-20	177.25	HP Paintjet	629.95
Star LC 24-20	177.25	HP Paintjet	629.95	Star LC 24-200	197.25	BJ10ex Bubblejet port.204.99	
Star LC 24-200	197.25	BJ10ex Bubblejet port.204.99		Star LC 24-200 col	239.99	BJ 300	338.99
Star LC 24-200 col	239.99	BJ 300	338.99	Citizen 124D	176.99	Star SJ 48	204.99
Citizen 124D	176.99	Star SJ 48	204.99	Citizen 224	205.99		
Citizen 224	205.99			Citizen 224+col*	218.99		

STARTER PACK: 500 Sheets A4 or continuous paper, Amiga to printer lead & Universal Printer Stand • with new driver

SOFTWARE**GRAPHICS/CAD**

AmigaVision	47.50
Art Dept. Pro 2.1	98.99
Deluxe Paint III	9.49
Deluxe Paint IV	53.99
Expert 4D Junior	36.99
Expert Draw	48.99
Imagine v2	186.99
Pro. Draw 3	69.99
Real 3D Beg 1.4	83.99
Real 3D Turbo Pro 1.4	229.50
Scala 500	68.99
Scala MM200	434.99
Scala Pro 1.13	173.50
Sculpt	
Animate 4D	198.99
Spectra Colour	57.99
X CAD 2000	89.50
X CAD 3000	238.90

VIDEO PRODUCTION/TITLING

AmigaVision	47.50
Broadcast	
Titler II	148.99
Deluxe Photolab	51.49
Pro Video Plus	137.99
TV Show Pro	51.39
TV Text Pro	68.99
Video Director	106.99
Walt Disney Animator	63.99

EDUCATIONAL

Any Fun School	15.50
Any ADI	17.50
See also software packs	
AMAX II Plus	289.99
Amos 3D	21.49
Amos the Creator	30.95
Amos Compiler	19.49
Easy Amos	22.49
Cross Dos v5	22.75
Disk Master II	43.75
GFA Basic	17.99
Lattice C v5.7	147.99
Quarter back	34.50
Quarter back Tools	44.99

APPLICATION

Arena Accounts	89.50
Excellence 3	88.99
Final Copy	47.49
Kind Words III	35.99
Maxiplan Plus v4	38.99
Mini Office	43.99
Pagestream 2.2	122.99
Pagesetter II	42.49
Pen Pal 1.4	52.50
Personal Finance Manager Plus	31.99
Pro. Page v3	137.99
Saxon Publisher	POA
Superbase Pro 4	148.99
Wordsworth	69.99
Works Platinum	49.95

MUSIC

AD 10 12 Studio 16 Sampler	349.95
Audio Engineer Plus 2 Sampler	188.99
Audio Master 4	44.49
Bars & Pipes Pro 1.0E	172.13
GVP Digital Sound Studio	48.99
Midi Interface	19.95
Rambo Megamix	23.99

24 BIT

A Video 24 with TV Point for 500	588.90
Art Dept. Pro 2.1A	174.99
DCTV	395.99
Firecracker	POA
GVP Impact Vision 24bit card	1545.95
Harlequin 4000 24 bit card	1498.95
Image Master	1069.00
Opal Vision 24 bit board + Opal Paint, Opal Presents, Karate 24 bit software	839.95
Rembrandt 24 bit board	2489.99
V Lab 24 bit real time digitiser	279.99

ORDERING:**TELESALES NO: (0727) 56005**

Next day delivery for credit card orders placed before 4.30pm subject to availability. Alternatively send cheque, postal order, bankers draft or official order (PLCs, Education and Government bodies only) to: Dept. AF, Hobbyte Computer Centre, 10 Market Place, St. Albans, Herts AL3 5DG. Please allow 7 working days for cheque clearance. Subject to availability, despatch is normally within 24 hours of receipt of cleared payment. Prices are correct at time of going to press, however, we are sometimes forced to change them, either up or down. Please check before ordering. Additional services and different packages may be offered in our showrooms, and prices may vary from Mail Order prices. Personal callers are asked to quote this ad to ensure Mail Order packages are offered.

DELIVERY CHARGES: UK MAINLAND (NOT HIGHLANDS)

Small consumables & software items	Despatched by post, please check charges when ordering
Other items, except lasers	Next day courier service, £10 per box
Offshore and Highlands	Please enquire
IN ADDITION WE OFFER THE FOLLOWING EXPRESS SERVICES:	
Saturday deliveries	Normal rate plus £15 + VAT per box
Am next day	Normal rate plus £8 + VAT per box

NO DEPOSIT CREDIT FACILITIES

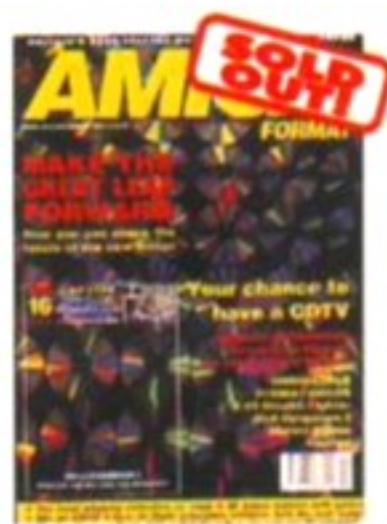
Credit terms at 34.8% APR (variable) can be arranged for purchases over £150, subject to status. Competitive leasing schemes are also available for businesses, including sole traders and partnerships. Just telephone for written details and application form.

TELE-ORDER (0727) 56005

Amiga prices, except where stated are inc. VAT. E.&O.E.

• HP AUTHORISED DEALER • CITIZEN DEALER PLUS •

Back Issues



ISSUE 1
The original: now a collector's item!



ISSUE 2
The first ever graphics round-up.



ISSUE 3
Majoring on music with a big release.



ISSUE 4
The complete story of the Amiga.



ISSUE 5
Explore the amazing world of 3D.



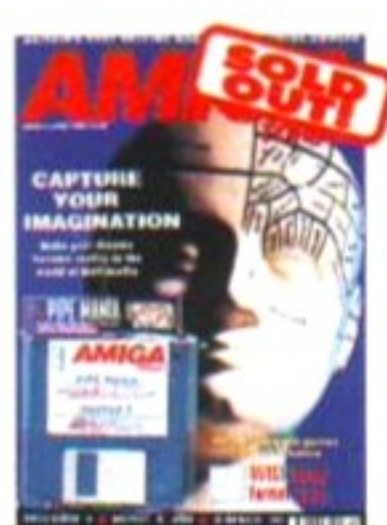
ISSUE 6
Simulation games: why are they such an obsession?



ISSUE 7
Learn to program with Dave Jones!



ISSUE 8
How to make great videos with your Amiga's help.



ISSUE 9
Multimedia: what is it, and what can it do for you?



ISSUE 10
Business software explained and the best game ever!



ISSUE 11
Chaos! The buzzword of the year, on the Amiga.



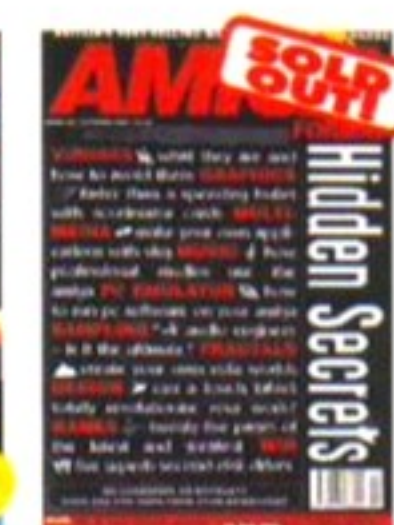
ISSUE 12
How to get into music, with a free covertape tune!



ISSUE 13
Games made from films: why are they always so poor?



ISSUE 14
Public Domain special: we pick out the best free software.



ISSUE 15
A real mixed bag, a trip around the world of the Amiga.



ISSUE 16
CDTV: the very first look at the future of home computers.



ISSUE 17
The first look at true colour, bringing 16 million colours!



ISSUE 18
Massive Christmas 1990 special with complete game!



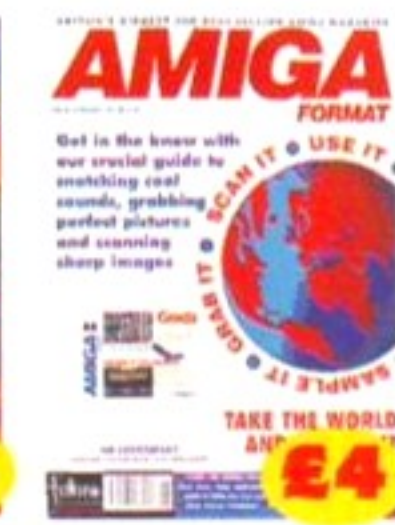
ISSUE 19
Beginners' special, explains how to care for your Amiga.



ISSUE 20
The best there is in Amiga software chosen & explained.



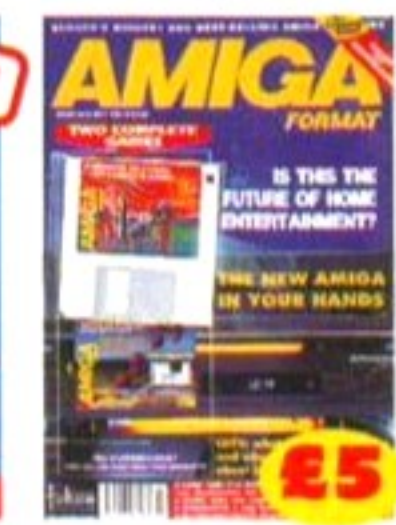
ISSUE 21
Paint programs: every single one tested and rated.



ISSUE 22
Samplers, scanners and digitisers can change your world.



ISSUE 23
3D secrets revealed, complete full-price game on disk.



ISSUE 24
CDTV exclusive, plus two complete full-price games!!



ISSUE 25
DTP explained plus the massive round-up of the year.



ISSUE 26
Deluxe Paint IV - exclusive disk demo and first review!



ISSUE 27
True Colour brings 16 million colours to your screen.



ISSUE 28
The secrets of game graphics revealed by Vivid Image.



ISSUE 29
First review of the A500 Plus, word processors tested.



ISSUE 30
Huge XMAS special with two complete full-price programs!



ISSUE 31
Beginners' special plus how to make your own games.



ISSUE 32
Every single CDTV disc available is under review.



ISSUE 33
Amazing fractal landscape program Vista on the disk, plus an enticing feature on how to create cartoons.



ISSUE 34
Full DTP program PageSetter plus the complete story of DTP: the jargon and the techniques are all explained.



ISSUE 35
What to do if you have the art or music program, but not the talent. Plus HAM paint program Spectracolor Jr.



ISSUE 36
With the multimedia program CanDo! Jr and the full low-down on the A600 and the CD-ROM drive!!



ISSUE 37
The amazing story of musicians and artists who have made it big with an Amiga, plus Animation Station.

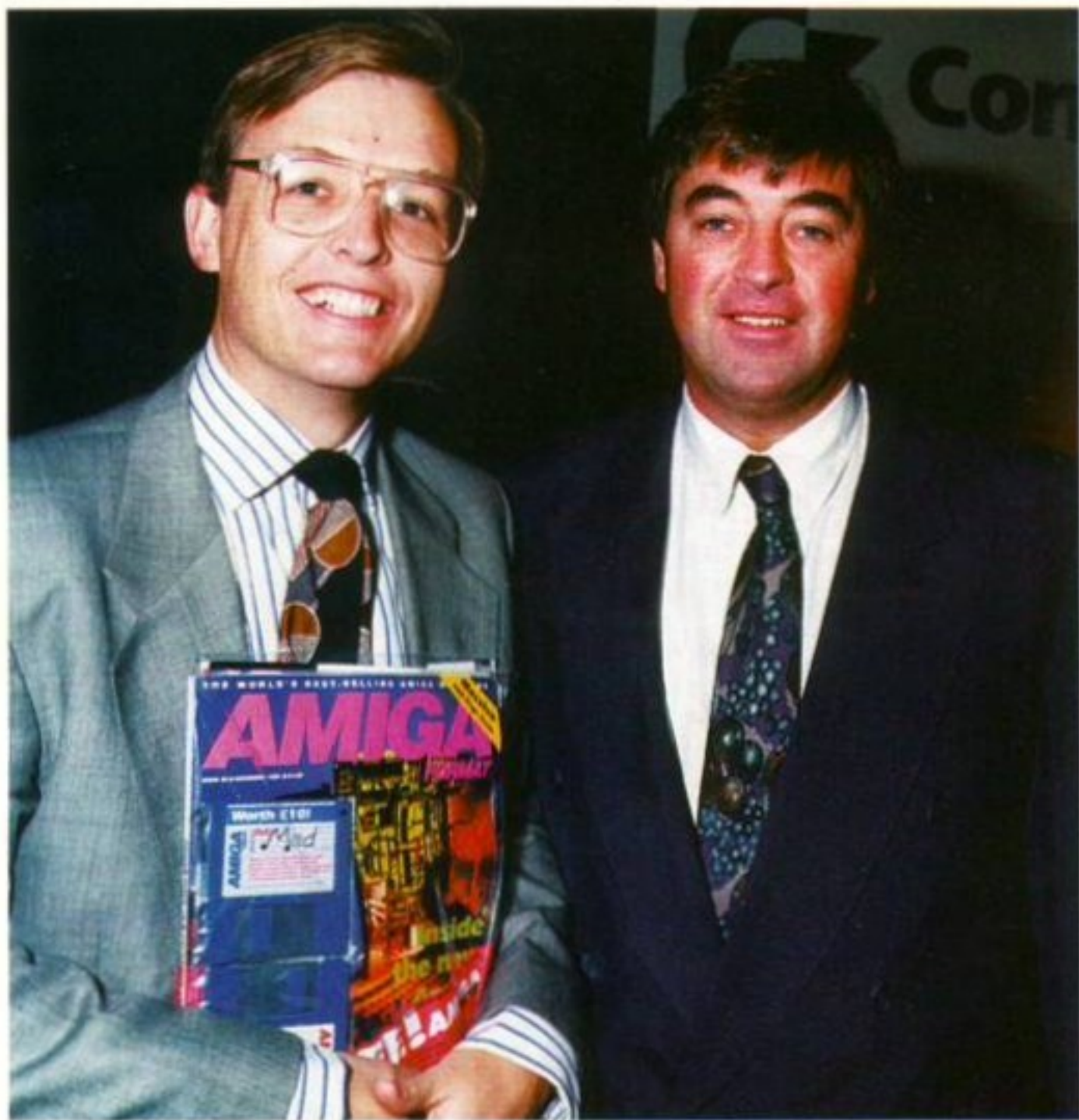


ISSUE 38
Got an A500? Learn how your machine can become a Super Amiga! Plus: choose a monitor from our guide and IntroCAD.



ISSUE 39
Bored with games? Think you can do better? Read the first part of the Bullfrog's guide. Plus: DevPac 2.

Take some tips from these wealthy wizards... Subscribe!



You don't become pocket-wearingly wealthy by wasting your pennies, just ask Chris Anderson – **Amiga Format** lover and Future Publishing MD – or Steve Franklin – boss of Commodore UK for the last five years and long-time **Amiga Format** reader. They'll tell you that looking after the small change enables the large wads to multiply. So, a deal that means that **you don't pay** £47.40 for 12 issues of the World's best selling Amiga magazine – **all you pay** is £44.95 – would meet with their hearty approval.

They'd also point out that **time is money**. So don't waste either by fruitless trips to the newsagent's to find that Amiga Format has sold out yet again. Get it delivered **postage free** to your home every month, **days before** regular, non-subscribing readers.

They are also well aware that **knowledge is power** and so would leap at the chance to get a monthly newsletter detailing exclusive, behind the scenes glimpses of the making of your **favourite read**. Get wise!

AMIGA FORMAT

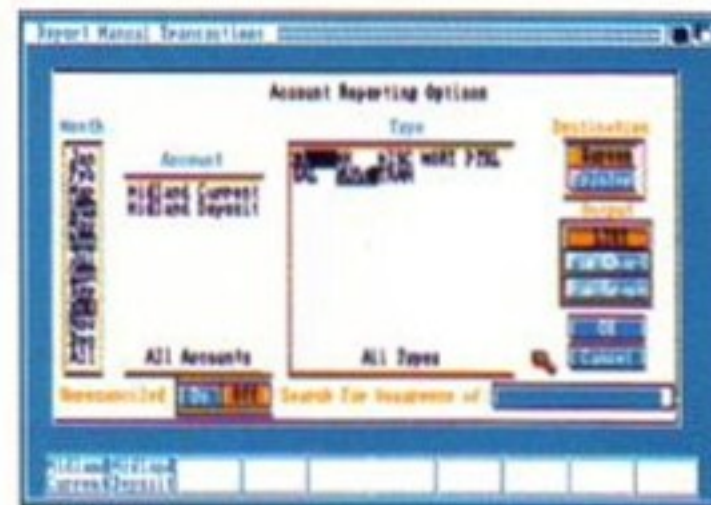
We'll also give you a choice of these free wonderments



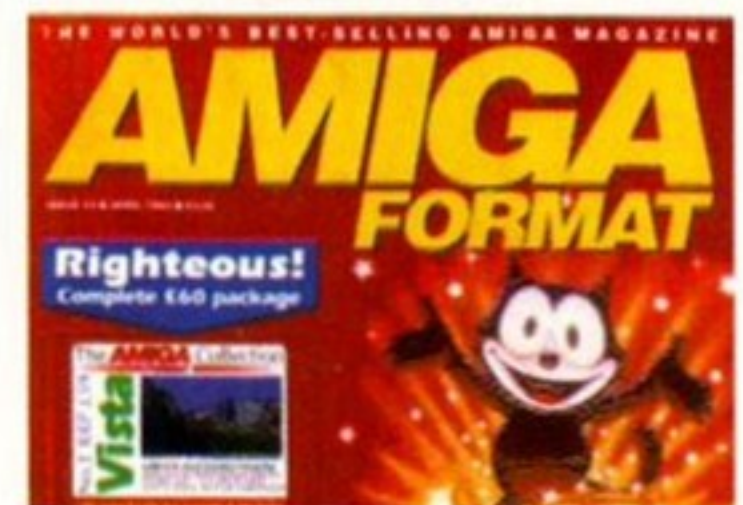
Harlequin
"23 levels of platform mayhem in search of a vital organ"
78% Amiga Format Issue 33



Chart Attack
Brilliant games collection featuring Robocod, Venus the Fly Trap, Lotus Esprit Turbo Challenge and Ghouls and Ghosts...



Home Accounts 1
Digita's DIY domestic budgeting system is still one of the most popular programs there is!



Two Free Issues
Alternatively, you can have the best free gift of them all - two extra issues of Amiga Format.

223
NOVEMBER 1992

Amiga Format **Subscription** Order Form

Yes! Please enter/renew my subscription to Amiga Format and send me the software of my choice

(tick as appropriate) **UK £44.95** **Europe £74.95** **Rest of the World £104.95**

Harlequin **Chart Attack** **Home Accounts** **2 Extra Issues**

Amiga Format back issues, £4 each. Issues 24, 29, 30, 33, 35, 36, 37 and 38, £5 each

(please indicate the issues you require) _____

Amiga Power back issues (tick as appropriate) **1** **2** **£5 each**

Name _____

Address _____

Post code _____

Telephone No. _____

Method of payment (please circle) Access • Visa • Cheque • PO

Total Order _____

Credit Card No. _____

Expiry Date _____

SEND THIS FORM TO:
Amiga Format Subscriptions,
Future Publishing Ltd,
Somerton, Somerset,
TA11 6TB

Please make all cheques payable to
Future Publishing Limited.
This coupon is valid until
end of November 1992 AF/MAG/10



EAGLE SOFTWARE

118a Palmers Road
New Southgate
LONDON N11 1SL

FREE
MYSTERY
GAME
WITH ORDERS
OVER £50

(10 am - 6pm 6 days)
Tel: 081-361 2733/5730
(2733 Faxline after 6pm)



ST & AMIGA BUDGET TITLES UNDER £10

1 Meg Cricket (Amiga only)	£3.99	Gauntlet II	£6.99	Predator	£6.99
3D Pool	£6.99	Ghostbusters II	£6.99	Predator II	£9.99
Afterburner	£6.99	Ghouls'n'Ghosts	£6.99	Rambo III	£6.99
Altered Beast	£6.99	Golden Axe	£6.99	Resolution 101	£6.99
Arkanoid II	£6.99	Hard Drivin'	£6.99	Rolling Ronny	£9.99
Baal	£5.99	Head over Heels	£6.99	R-Type	£6.99
Barbarian	£5.99	H. H. Guide to Galaxy	£7.99	Run The Gauntlet	£6.99
Barbarian II	£6.99	iK+	£6.99	Shadow of the Beast	£6.99
Batman The Movie	£6.99	Impossible Mission II	£6.99	Shadow Warrior	£6.99
Beach Volley	£6.99	James Pond	£6.99	Sherman M4	£6.99
Blood Money	£6.99	Jet Set Willy (Amiga only)	£7.99	Shinobi	£6.99
Cabal	£6.99	Kid Gloves	£5.99	Shuffle Puck Cafe	£6.99
California Games	£6.99	Last Ninja II	£6.99	Speedball	£7.99
Carrier Command	£8.99	Licence to Kill	£5.99	Starglider II	£6.99
Celica GT4 Rally	£6.99	Lombard RAC Rally	£6.99	Strike Force Harrier	£6.99
Centrefold Squares	£6.99	Lotus Esprit	£6.99	Stunt Car Racer	£6.99
Cloud Kingdom	£6.99	Manic Miner (Amiga only)	£7.99	Supaplex	£6.99
Colossus Chess	£6.99	M. Jackson Moonwalker	£6.99	Super Hang On	£6.99
Combo Racer	£6.99	Moonshine Racers	£6.99	SwitchBlade	£6.99
Conflict in Europe	£7.99	New Zealand Story	£6.99	Teenage Mutant Turtles	£6.99
Continental Circus	£5.99	Nitro	£7.99	Thunderstrike	£6.99
Defender of the Crown	£7.99	North & South	£6.99	Toobin'	£6.99
Deluxe Strip Poker	£6.99	Out Run	£6.99	TV Sports Football	£7.99
Double Dragon I or II	£6.99	Operation Thunderbolt	£6.99	Vigilante	£6.99
Dragon Ninja	£6.99	Operation Wolf	£6.99	War Zone	£6.99
Fantasy World Dizzy	£5.99	Pang	£6.99	Waterloo	£6.99
F16 Combat Pilot	£7.99	Platoon	£5.99	Wings of Fury (Amiga only)	£6.99
				WC Leaderboard	£6.99
				Xenon II	£7.99

TOP TITLES	ST	AMIGA	TOP TITLES	ST	AMIGA	TOP TITLES	ST	AMIGA	TOP TITLES	ST	AMIGA
A500+ 1Meg Upgrade	N/A	£38.99	Cover Girl Poker	N/A	£16.99	Home Alone	N/A	£23.99	Myth	£18.99	£18.99
A600 1Meg Upgrade + clock	N/A	£49.99	Covert Action	£23.99	£23.99	Home Alone Colouring Book *	N/A	£14.99	Narc	£6.99	£6.99
0.5 Meg Upgrade + clock	N/A	£25.99	Crazy Cars III	£16.99	£16.99	Hook	£15.99	£15.99	Navy Seals	£15.99	£15.99
W. Series Cricket	N/A	£14.99	Cruise for a Corpse	£17.99	£17.99	Hudson Hawk	£15.99	£15.99	Nightshift	£8.99	£16.99
3D Construction	£16.99	£16.99	Curse of the Enchanter	N/A	£23.99	I. Bothams Cricket	£19.99	£19.99	ORBITUS	£12.99	£12.99
3D Construction Kit II *	£36.99	£36.99	Dark Queen of Krynn	N/A	£22.99	Indy Heat	£16.99	£16.99	Ork	£15.99	£15.99
4D Sports Boxing	N/A	£11.99	Das Boot	N/A	£11.99	International Sports Chail.	£16.99	£16.99	Outlanders *	N/A	£19.99
4D Sports Driving	N/A	£11.99	Days of Thunder	£12.99	£8.99	Ishar - Legend Fortress	£20.99	£20.99	Pacific Islands - T.Yankee II	£20.99	£20.99
A-Train *	N/A	£30.99	Deliverance	£15.99	£15.99	Jack Nicklaus Unlimited Clip.	N/A	£10.99	Panza Kick Boxing	£8.99	£8.99
Action Stations	£12.99	£12.99	Deuterios	£14.99	£14.99	Jaguar XJ220	£16.99	£16.99	Paperboy II	£16.99	£8.99
Addams Family	£16.99	£16.99	D/Generation	£11.99	£11.99	Jim Power *	£16.99	£16.99	Parasol Stars	£15.99	£15.99
Advantage Tennis	£16.99	£16.99	Disciples of Steel	£17.99	£17.99	J. Khan Squash	£6.99	£6.99	Pegasus	£16.99	£16.99
Agony	£15.99	£15.99	Double Dragon III	£16.99	£16.99	J. White's Whirlwind	£16.99	£16.99	Perfect General	N/A	£20.99
Air Support	£15.99	£15.99	Dreadnoughts	£23.99	£23.99	J. Barnes (1 Meg)	£15.99	£15.99	PGA Golf Tour +	N/A	£20.99
Aliens III *	£16.99	£16.99	Dune	£19.99	£19.99	J. Madden's Football	N/A	£16.99	PGA Courses Disk	N/A	£10.99
AMNIO5	£15.99	£12.99	Dungeon / Chaos	£15.99	£15.99	KGB *	£20.99	£20.99	Pinball Dreams	N/A	£15.99
Amos (Easy)	N/A	£23.99	Dyna Blast	£20.99	£20.99	Kick Off II (1 Meg)	£15.99	£15.99	Pinball Dreams II *	N/A	£16.99
Amos 3D	N/A	£23.99	ELF	£16.99	£16.99	Kick Off II (5 Meg)	N/A	£14.99	Pitfighter	£9.99	£9.99
Amos Compiler	N/A	£19.99	Elvira Mistress Dark	£21.99	£21.99	Kick Off III *	£16.99	£16.99	Plan 9 Outer Space	£20.99	£20.99
Amos The Creator	N/A	£36.99	Elvira II - Cerberus	£23.99	£23.99	K.O. Winning Tactics	£9.99	£9.99	Plotting	£15.99	£15.99
Another World	£17.99	£17.99	Epic	£19.99	£19.99	Kid Gloves II	£16.99	£16.99	Populus II (1 or 0.5 Meg)	£20.99	£20.99
Apidga	£16.99	£16.99	Eye of the Beholder	N/A	£19.99	Killing Cloud	£11.99	£11.99	Premiere	N/A	£20.99
Aventura	£16.99	£13.99	Eye of the Beholder II	N/A	£23.99	KILLING GAME SHOW	£11.99	£8.99	Prince of Persia	£15.99	£15.99
Armoureddon	£15.99	£15.99	F14 Tom Cat *	£18.99	£18.99	Kings Quest IV	£12.99	£22.99	Pro Flight	£30.99	£30.99
Armoureddon Upgrade *	£10.99	£10.99	F15 Strike Eagle II	£23.99	£23.99	Kings Quest V	N/A	£26.99	Pro Tennis Tour	£6.99	£6.99
Ashes of Empire	£20.99	£20.99	F117A Stealth Fighter *	£21.99	£21.99	Knight Mare	£16.99	£16.99	Project X	£16.99	£16.99
A.T.A.C. *	£23.99	£23.99	F19 Stealth Fighter	£19.99	£19.99	Knight of the Sky	£23.99	£23.99	Push Over	£15.99	£15.99
ATOMINO	£8.99	£8.99	F29 Retaliator	£15.99	£15.99	Last Ninja III	£7.99	£7.99	Puzznic	£6.99	£6.99
AWSOME	£8.99	£8.99	Face Off - Ice Hockey	£15.99	£15.99	Lawn Mower Man *	£16.99	£16.99	QUEST AND GLORY	£20.99	£20.99
B17 Flying Fortress *	£23.99	£23.99	Falcon	£11.99	£11.99	Leander	£15.99	£15.99	Railroad Tycoon	£23.99	£23.99
Bane of the Cosmic Forge	N/A	£24.99	Falcon Mission Disk I	£8.99	£8.99	Leathal Weapon III *	£16.99	£16.99	Rainbow Islands	£6.99	£6.99
BARBARIAN II (Psyg)	£12.99	£14.99	Falcon Mission Disk II	£8.99	£8.99	Legend	£19.99	£19.99	R.B.I. 2 Baseball	£15.99	£15.99
Bard's Tale III	N/A	£8.99	Falcon 3.0 *	£23.99	£23.99	Legends of Valour *	£25.99	£25.99	Realms	£20.99	£20.99
Bards Tale Trilogy *	N/A	£19.99	Fantastic Voyage	£16.99	£16.99	Leisure Suit Larry II	£14.99	£14.99	Red Baron	N/A	£23.99
B.A.T. II	£22.99	£22.99	Fate of Atlantis (Adv) *	N/A	£17.99	Leisure Suit Larry III	£25.99	£25.99	Red Zone	£15.99	£15.99
Battle Chess II	N/A	£16.99	Fate of Atlantis (Arc) *	N/A	£17.99	Leisure Suit Larry V	N/A	£26.99	Rise of the Dragon	N/A	£24.99
Battle Command	£13.99	£13.99	F. of Free Traders	£6.99	£6.99	Lemmings	£15.99	£15.99	Risky Woods	£16.99	£16.99
Battle Isle	£18.99	£18.99	Final Blow	£16.99	£16.99	Lemmings II *	£15.99	£15.99	Robin Hood	£16.99	£16.99
Battle Isle Data Disc	N/A	£13.99	Final Fight	£16.99	£16.99	Lemmings - Data Disk	£13.99	£13.99	Robocod	£15.99	£15.99
BATTLE MASTER	N/A	£11.99	Fire and Ice	£15.99	£15.99	Lemmings - Stand Alone	£15.99	£15.99	Robocop	£6.99	£6.99
Battle Toads	£16.99	£16.99	First Samu/MegaLoMan	£20.99	£20.99	Life and Death II	N/A	£20.99	Robocop II	£14.99	£14.99
Big Run	£16.99	£16.99	FireStone HD Scenery	N/A	£13.99	Links HD	N/A	£23.99	Robocop III	£16.99	£16.99
Birds of Prey	N/A	£23.99	Flashback *	£16.99	£16.99	Lord of the Rings	N/A	£20.99	Robo Sports *	N/A	£23.99
Black Crypt	N/A	£16.99	Flight of the Intruder	£14.99	£16.99	Lost Patrol	£15.99	£12.99	Rod Land	£16.99	£16.99
Blue Max	£19.99	£11.99	Floor 13	£19.99	£19.99	Lotus Turbo Challenge II	£16.99	£16.99	Rookies *	£17.99	£17.99
Bountiful HD Scenery	N/A	£13.99	Football Crazy	£16.99	£16.99	Lotus Turbo Challenge III *	£16.99	£16.99	R-Type II	£14.99	£14.99
Buck Rogers	£19.99	£19.99	Free DC	N/A	£18.99	Lure of the Temptress	£19.99	£19.99	Rugby World Cup	£15.99	£15.99
Buck Rogers II	N/A	£20.99	Gauntlet III	£16.99	£12.99	M1 Tank Platoon	£19.99	£19.99	Rules of Engagement	£15.99	£15.99
Cadaver	£16.99	£16.99	Global Effect	£16.99	£16.99	Magix Pockets	£15.99	£15.99	R.V.F. Honda	£6.99	£6.99
Cadaver - the pay off	£10.99	£10.99	Goblins	£16.99	£16.99	Man Utd. Europe	£15.99	£15.99	Savage Empire	N/A	£22.99
Captive	£15.99	£15.99	Go for Gold	£8.99	£8.99	M. Ditka Ultimate Football *	£18.99	£18.99	Secret Silver Blues	£21.99	£21.99
Carl Lewis Challenge	£15.99	£15.99	Golden Shot	£16.99	£16.99	Megabix Master	N/A	£27.99	Secret Weap Luft *	£19.99	£19.99
CARTHAGE	N/A	£7.99	G. Gooch Cricket *	£21.99	£21.99	Mega Fortress	£19.99	£16.99	Sensible Soccer	£16.99	£16.99
Carve Up	£7.99	£7.99	Graham Taylor	£15.99	£15.99	Mega Sports	£16.99	£16.99	Shadowlands	£20.99	£20.99
Castles	£16.99	£16.99	Grand Prix (Formula)	£23.99	£23.99	Megatraveller II	£20.99	£20.99	SHADOW BEAST II	£12.99	£12.99
Castle of Dr Brain *	N/A	£17.99	Gunship 2000 *	£21.99	£21.99	Mercenary III	£11.99	£11.99	Shadow of the Beast III *	N/A	£19.99
Chaos Engine	£16.99	£16.99	Guy Spy *	N/A	£20.99	Merchant Colony	£16.99	£16.99	Shoot em up Con. Kit	£7.99	£7.99
Chase HQ	£6.99	£6.99	Hagar the Horrible	N/A	£15.99	Microprose Golf	£23.99	£23.99	Shuttle the Sim	£20.99	£20.99
Chase HQ II	£14.99	£14.99	Hard Drivin' II	£15.99	£12.99	Midnight Resistance	£6.99	£6.99	Silent Service II	£23.99	£23.99
Chuck Rock	£7.99	£7.99	Harlequin	£16.99	£16.99	Midwinter II	£23.99	£23.99	Sim Ant	N/A	£22.99
Civilisation	£23.99	£23.99	Harpoon (1 Meg)	N/A	£19.99	Mig 29 Fulcrum	£16.99	£16.99	Sim Earth	£20.99	£20.99
C.Y.'s Air Combat	£20.99	£20.99	Heart of China	N/A	£24.99	Might of Magic III	N/A	£23.99	Simpsons	£15.99	£15.99
Codename Assassin	N/A	£16.99	Heimdall	£23.99	£23.99	Moonstone	£19.99	£19.99	Sleepwalker *	£15.99	£15.99
Codename Ice Man	£12.99	N/A	Hero's Quest (Grem)	£16.99	£16.99	Monkey Island	£15.99	£15.99	Smash TV	£15.99	£15.99
Cool Croc Twins	£16.99	£16.99	Hill Street Blues	£15.99	£15.99	Monkey Island II	N/A	£25.99	Space 1889	£20.99	£20.99
Conflict Korea	N/A	£23.99				Mouse (Switchable)	£14.99	£14.99	Space Ace II	N/A	£33.99

MIND GAMES only £14.99 Austerlitz, Waterloo, and Conflict in Europe	BITMAP BROS VOL 2 * only £16.99 Xenon II, Speedball II, Gods, Magic Pockets	BITMAP BROTHERS VOL 1 only £16.99 Xenon, Cadaver and Speedball II	NINJA COLLECTION only £13.99 D. Dragon, Shadow Warrior, D. Ninja	RAVING MAD only £18.99 Mega twins, Rodland, Robocod
ACTION 5 only £19.99 Rick Dangerous II, Ghostbusters II, Gunship, Super Ski and Hard Driving	CHAMPIONS only £13.99 Jahangir Khan Squash, Man United and W.C. Boxing Manager	SOCCER MANIA only £11.99 Football Manager II, Gazza's Soccer, Football Manager - W.C. Edition, Microprose Soccer	DOUBLE DOUBLE BILL only £14.99 TV Sports Football, Wings, TV Sports Basketball, Lords of the Rising Sun	FLIGHT COMMAND only £14.99 Eliminator, Strike Force Harrier, Lancaster, Sky Fox and Sky Chase
GRANDSTAND only £11.99 Gazza Super Soccer, Pro Tennis Tour, World Class Leaderboard and Continental Circus	POWER PACK only £14.99 Xenon 2, TV Sports Football, Bloodwych and Lombard Rally	RAINBOW COLLECTION only £13.99 New Zealand Story, Bubble Bobble, Rainbow Islands	MAGNUM 4 Amiga £16.99 ST £12.99 Afterburner, Double Dragon, Operation Wolf, and Batman Caped Crusader	AWARD WINNERS ONLY £16.99 Kick Off II, Pipemania, Space Ace and Populus
SPORTS COLLECTION only £13.99 Pro Tennis Tour, Run the Gauntlet, W.C. Soccer (Italia '90)	HOLLYWOOD COLLECTION only £18.99 RoboCop, Ghostbusters 2, Indiana Jones, Batman the Movie	HEAD TO HEAD only £26.99 Mig 29 Super Fulcrum, F19 Stealth Fighter	AIR, LAND, SEA AMIGA only £23.99 FA18 Interceptor, 688 Attack Sub, Indy 500	MAX EXTRA only £17.99 Turrican II, ST Dragon, SWIV and Night Shift
BIG BOX only £15.99 Captain Blood, Tin Tin on the Moon, Safari Guns, Teenage Queen, Bubble Plus, Purple Saturn Days, Krypton Egg, Jumping Jackson, BoBo, Hostages	ACTION PACK only £15.99 Cosmic Pirates, Rotor, Maya, On Safari, Eliminator, Fast Lane, Sherman M4, Hostages, Tarplan, Colorado	BIG BOX II only £19.99 Back to the Future III, R-Type, iK+, Real Ghostbusters, Def of the Earth, TV Sports Football, Shanghai, Armalyte, Sinbad, Bomboozal	TEST DRIVE II COLLECTION AMIGA only £20.99 Muscle Cars, California Challenge, European Challenge, Duel, Super Cars	STRATEGY MASTER only £20.99 Deuterios, Populus, Hunter, Chessplayer 2150 and Spirits of Excalibur
4 WHEEL DRIVE only £19.99 Lotus Esprit, Celica GT4 Rally, Team Suzuki, and Combo Racer	BOARD GENIUS AMIGA only £17.99 Deluxe Monopoly, Deluxe Scrabble, Cluedo, Master Detective and Risk	QUEST FOR ADVENTURE only £23.99 Operation Stealth, Indiana's Last Crusade and Mean Streets	SUPER HEROES only £17.99 Strider II, Indiana Jones, Last Ninja II and Spy who loved me	2 HOT 2 HANDLE only £18.99 Golden Axe, Total Recall, Shadow Warrior, Super Off Road Racing

Please make cheques & P.O.'s payable to **Eagle Software**. P & P is £1.00 per item in UK (orders under £10 are 50p per item). Europe: £3.50 per item. Elsewhere £4.50 per item. New titles will be sent as released and are subject to manufacturers price reviews. E.&O.E. New catalogue available - please tick box.

Member No: _____ Computer: _____ Date _____

Title _____ Price _____

_____ Price _____

_____ Price _____

_____ Price _____

_____ P & P _____

_____ Total _____

Name: _____

Address: _____

Postcode: _____ Tel: _____

Card No: _____

Exp Date _____

Access Visa Cheque P.O.'s

104 Mail Order Only

*Not released at time of going to press

Free Membership with First Order to all Our Customers

SEIKOSHA

- DOT MATRIX
- LASER
- THERMAL

PRINTERS

WITH ONE YEAR ON-SITE WARRANTY

Silica Systems are pleased to recommend Seikosha printers to you at LOW PROMOTIONAL PRICES. The Seikosha range is built to the highest standards, by a company that is used to manufacturing high quality precision products. In fact, you may be wearing one of these products on your wrist, as Seikosha are part of the massive Seiko/Epson group (with a turnover of £6 billion and 18,000 staff!).

When you buy a Seikosha dot matrix printer from Silica, we will give you a Silica PRINTER STARTER KIT (worth £25+VAT = £29.38) FREE OF CHARGE, to make sure you get off to a flying start with your new printer. For further information on the Seikosha range, complete and return the coupon below. Or, if you can't wait to get your hands on a new Seikosha printer, telephone our mail order hotline, 081-309 1111 to place your order now.

Silica now offer a full one year on-site warranty with every Seikosha printer, (except the SLP Plus), included in the price! In the unlikely event of a problem with your Seikosha printer, an engineer will visit your home or business within 8 working hours of your call (on-site warranty effective for UK mainland locations only).

FREE! FROM SILICA

- **DELIVERY** Next day - anywhere in the UK mainland.
- **HELPLINE** Technical helpline during office hours.
- **STARTER KIT** With every Seikosha dot matrix printer.

9-PIN PRINTER

NOW WITH 1 YEAR ON-SITE WARRANTY



192 CPS **80 COLUMN**

- Seikosha SP-1900 Plus - 9 pin - 80 col
- 192cps Draft, 48cps NLQ
- 1K Printer Buffer + 2 Fonts
- Parallel Interface
- Graphics Resolutions: 144x72dpi
- Epson and IBM Emulation
- Auto Sheet Feeder Option
- FREE Silica Printer Starter Kit

PRINTER RRP	£155.00
STARTER KIT	£25.00
1 YEAR ON-SITE	£60.00
TOTAL VALUE:	£240.00
SAVING:	£131.00
SILICA PRICE:	£109.00

£109

+VAT = £128.08 Ref: PRI 8195

9-PIN PRINTER

NOW WITH 1 YEAR ON-SITE WARRANTY



300 CPS **80 COLUMN**

- Seikosha SP-2400 - 9 pin - 80 col
- 300cps SD, 240cps D, 60cps NLQ
- 21K Printer Buffer + 5 Fonts
- Parallel and Serial Interfaces
- Graphics Resolutions: 240x144dpi
- Epson and IBM Emulation
- Optional Auto Sheet Feeder Unit
- FREE Silica Printer Starter Kit

PRINTER RRP	£199.00
STARTER KIT	£25.00
1 YEAR ON-SITE	£60.00
TOTAL VALUE:	£284.00
SAVING:	£139.00
SILICA PRICE:	£145.00

£145

+VAT = £170.38 Ref: PRI 8204

24-PIN PRINTER

NOW WITH 1 YEAR ON-SITE WARRANTY



240 CPS **80 COLUMN**

- Seikosha SL-92 Plus - 24 pin - 80 col
- 240cps Draft, 80cps LQ
- 44K Printer Buffer + 9 Fonts
- Parallel Interface
- Graphics Resolutions: 360x360dpi
- Epson Emulation
- FREE Silica Printer Starter Kit

PRINTER RRP	£280.00
STARTER KIT	£25.00
1 YEAR ON-SITE	£60.00
TOTAL VALUE:	£365.00
SAVING:	£170.00
SILICA PRICE:	£195.00

£195

+VAT = £229.13 Ref: PRI 8292

NOTEBOOK PRINTER



144 CPS **80 COLUMN**

- For IBM PC compatibles only
- Seikosha LT-20DX - 24 pin - 80 col
- 180cps SD, 144cps Draft, 60cps LQ
- 1K Printer Buffer + 9 Fonts
- Parallel Interface
- Graphics Resolution: 360x180dpi
- Epson and IBM Emulation
- Built-in 50 Sheet Auto Feeder
- FREE Silica Printer Starter Kit

PRINTER RRP	£299.00
STARTER KIT	£25.00
1 YEAR ON-SITE	£60.00
TOTAL VALUE:	£384.00
SAVING:	£125.00
SILICA PRICE:	£259.00

£259

+VAT=£304.38 Ref: PRI 8022

LASER PRINTER



NEW! INC 1 YEAR ON-SITE WARRANTY

- 8 Pages per minute
- HP LaserJet III™ Compatible
- PostScript Emulation Option
- Edge Smoothing by EET Technology
- 8 Scalable +14 Bitmap Fonts, 2 HP-compatible Font Cartridge Slots
- 1Mb RAM expandable to 5Mb
- Flexible Media Handling up to 550 Sheets in paper cassettes
- Compact Design
- Quiet Operation <47dBA

RRP	£1349 + VAT
SILICA PRICE	£999

£999

+VAT=£1173.83 Ref: LAS 8108

LABEL PRINTER

The NEW Seikosha Smart Label Printer Plus range now includes a PC version with "Windows" driver, as well as PC DOS only and Apple Macintosh models. All are able to mix fonts on the same label and have many other new features. They will provide letter quality address labels, file labels and bar code labels on demand. The Smart Label Printer sits on the desk, working in the background, while your normal desktop printer gets on with the documents. Using memory resident or DA software, the Smart Label Printer Plus is able to produce a label from the screen text of most popular software packages. The Smart Label Printer Plus is supplied complete with a power cord, a serial cable for connecting to your PC, SLP software, a roll of labels and a 1 year guarantee. PC DOS (PRI 8009) and Apple Macintosh (PRI 8012) versions are also available at a new low price of £179+VAT.

NEW! 'PLUS' MODELS WINDOWS DRIVER VERSION



1 YEAR GUARANTEE

RRP	£249 + VAT
SILICA PRICE	£199

+VAT = £233.83 Ref: PRI 8015

FREE! STARTER KIT



Every Seikosha dot matrix printer from Silica comes with the Silica Printer Starter Kit, worth £29.38 (£25+VAT) completely FREE OF CHARGE. It includes all you need to get up and running with your new printer.

- 3 1/2" Disk with Amiga & ST Printer Drivers
 - 1.8 Metre Parallel Printer Cable
 - 200 Sheets of Quality Continuous Paper
 - 100 Continuous Tractor Feed Address Labels
 - 5 Continuous Envelopes on Tractor Feed
- Printer owners may order the Silica Kit (ref: KIT 5000) for only £24.38 - £5 off RRP! WORTH £29.38

SILICA SYSTEMS OFFER YOU

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** Team of technical experts at your service.
- **PRICE MATCH:** We normally match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 14 YEARS:** Proven track record in professional computer sales.
- **£12 MILLION TURNOVER (with 60 staff):** Solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts available 081-308 0888.
- **SHOWROOMS:** Demonstration and training facilities at our London & Sidcup branches.
- **THE FULL STOCK RANGE:** All of your requirements from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with offers + software and peripheral details.
- **PAYMENT:** Major credit cards, cash, cheque or monthly terms.

Before you decide when to buy your new printer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals and accessories, or help and advice. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years and, with our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".

MAIL ORDER HOTLINE
081-309 1111



MAIL ORDER: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX Tel: 081-309 1111
Order Lines Open: Mon-Sat 9.00am-6.00pm No Late Night Opening Fax No: 081-308 0808

LONDON SHOP: 52 Tottenham Court Road, London, W1P 0BA Tel: 071-580 4000
Opening Hours: Mon-Sat 9.30am-6.00pm No Late Night Opening Fax No: 071-323 4737

LONDON SHOP: Selfridges (1st Floor), Oxford Street, London, W1A 1AB Tel: 071-629 1234
Opening Hours: Mon-Sat 9.30am-6.00pm Late Night: Thursday until 8pm Extension: 3914

SIDCUP SHOP: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX Tel: 081-302 8811
Opening Hours: Mon-Sat 9.00am-5.30pm Late Night: Friday until 7pm Fax No: 081-309 0017

To: Silica Systems, AMFOR-1192-84, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX
PLEASE SEND A FREE BROCHURE ON SEIKOSHA

Mr/Mrs/Miss/Ms: Initials: Surname:

Company Name (if applicable):

Address:

Postcode:

Tel (Home): Tel (Work):

Which computer(s), if any, do you own?..... 84B

Evesham Micros • CALL US NOW ON (0386) 765500 • Evesham Micros • CALL US NOW ON (0386) 765500 • Evesham Micros

ZY-FI Amplified Stereo Speakers

REALISE THE TRUE SOUND POTENTIAL OF YOUR AMIGA WITH THIS PAIR OF FULL RANGE SPEAKERS!



Your Amiga produces fine quality hi-fi stereo sound. Enjoy quality stereo sound reproduction to the full with this new design twin speaker system! Incorporates a built-in amplifier with separate adjustable volume controls for each speaker unit. Runs from PSU (supplied) or from batteries (not included).

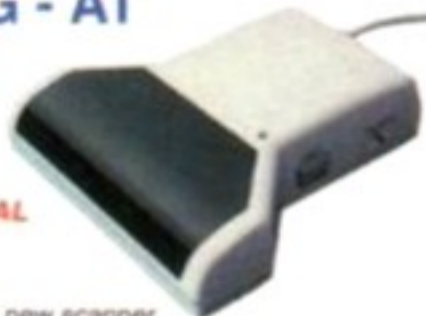
ONLY £39.95

Speaker Dimensions 160x95x105mm (HxWxD)

TOP VALUE 400dpi HANDY SCANNER

QUALITY SCANNING - AT THE RIGHT PRICE!

This Image Scanner package combines top quality hardware with the latest version of the distinctively powerful DAATASCAN PROFESSIONAL VERSION 2 software, now giving TRUE GREYSCALE CAPABILITY.



At a genuine 400dpi scanning resolution, this new scanner produces truly superb quality scans. Has a full 105mm scanning width, variable brightness control and 100 / 200 / 300 / 400dpi resolution. Daatascan Professional Version 2 scanning and editing software allows real-time scanning in either line art or in up to 64 simulated grey scales. Provides powerful editing features and excellent compatibility with most DTP and Paint Packages, eg. Deluxe Paint 4, Touch-Up.

ONLY £99.99

TRUEMOUSE



WE GUARANTEE that this is the smoothest, most responsive and accurate replacement mouse you can buy for the Amiga. Excellent performance, now with a 300dpi resolution. Amazing new price!

£14.99 SATISFACTION GUARANTEED

GOLDEN IMAGE OPTICAL MOUSE Amiga/ST compatible - excellent travel+accuracy assured. NEW LOW PRICE!... **£ 29.00**

ROCGEN GENLOCK MK.II



OFFERING EXCEPTIONAL VALUE FOR MONEY, this fully compatible GENLOCK adaptor offers levels of quality, function and sophistication not normally available in this price category. Special features include the ability to record graphics & animations on video recorders and overlay graphic and text onto video. Capable of smooth and stable fading and overlaying effects with special tuning knob.

ONLY £79.99

ROCGEN PLUS

Compatible to any Amiga or Commodore CDTV, this NEW Genlock Adapter provides Advanced Special Effects and Performance Features without sacrificing user-friendliness!

New Special Features include: Dual Dissolve control knobs providing freely adjustable degrees of overlay or invert (keyhole) effects; Auto Video pass-thru; extra Video throughport for separate line monitoring; RGB pass-thru for real-time editing of Amiga graphics; plus Key-in port for use with an external keying device.



ONLY £119.99

PHILIPS 15" TV/MONITOR



With its dedicated monitor input, this model combines the advantages of a high quality medium resolution colour monitor with the convenience of remote control Teletext TV - at an excellent low price! Features dark glass screen for improved contrast, plus full range 3-way speaker sound output.

£269.00 Including VAT, delivery & cable

Philips CM8833 Mk.II Monitor (Genuine UK version), includes cable, 1 Year on-site maintenance and 'Lotus Esprit Turbo 2' game **£ 199.00**

A590 ADD-ON HARD DRIVES

A590 OWNERS! Expand your hard disk storage further with one of our add-on, externally cased SCSI Hard Drives, with 25ms autoparking NEC mechanisms and separate power supply. Plugs into the socket provided on the rear of the A590 unit.

External 40Mb SCSI Drive cased with PSU to directly add-on to the Commodore A590 **£ 249.00**

External 100Mb SCSI Drive cased with PSU **£ 399.00**

AMIGA 600

NEW LOWER PRICES !!



• Built-in TV Modulator • Built-in IDE Hard Disk Controller
• Kickstart 2 • 1Mb ChipRAM • Accepts Memory Cards

INCLUDES 12 MONTHS ON-SITE WARRANTY, 'DELUXE PAINT' & EXCITING GAME TITLE!

ONLY £279.99
2MB RAM/CLOCK VERSION £ 319.99

COMMODORE'S A600 20MB HARD DISK VERSION

£ 449.99 including 1 Year On-site Warranty
2MB RAM/CLOCK VERSION £489.99
N.B. Prices do not include Free Software

Evesham Micros SPECIAL HARD DISK UPGRADED MODELS

We are now able to supply Amiga A600's with larger hard disks. We take a standard single drive A600 and install a high quality 2 1/2" IDE hard drive.

40Mb £479.99 **80Mb £529.99** **120Mb £599.99**

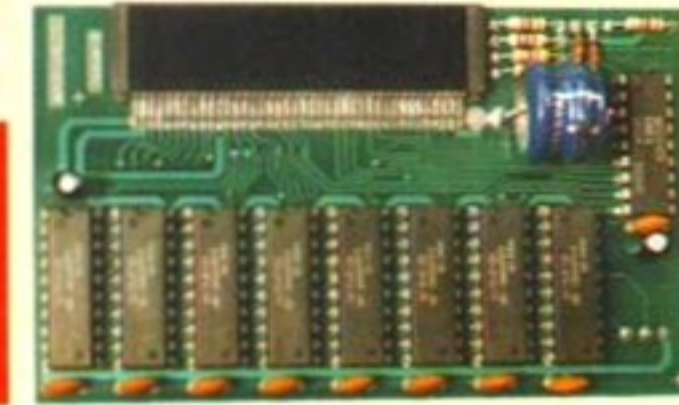
All models available with 2Mb RAM - Please add £40.00
- NB: The hard disk installation is not covered by on-site warranty -

NEW FROM Evesham Micros A600 1MB RAM/CLOCK UPGRADE

UPGRADE YOUR NEW A600 TO 2Mb WITH THIS SIMPLE PLUG-IN MEMORY UPGRADE!

- ☆ Simply Plugs into the A600's trapdoor expansion area
- ☆ Increases total RAM capacity of A600 to 2Mb 'ChipRAM'
- ☆ RAM Enable / Disable Switch
- ☆ Battery-Backed Real-Time Clock

ONLY £44.99



NEW! A500 ROM SWITCHER

SWITCHING BETWEEN VERSIONS OF KICKSTART ON YOUR A500 IS EASY WITH OUR NEW ROM SWITCHER!

You can improve software compatibility on your A500 Plus! By fitting our ROM switcher, you can alternate between the Kickstart 2 already resident and another version of Kickstart ROM chip, giving you the freedom of choice. Fitting is very simple indeed, and requires no soldering or special technical knowledge. Fitting allows two methods of switching: either by keyboard reset, or by an external toggle switch. N.B. Kickstart ROM not supplied. A500 Revision 5A boards will require circuit modification.

ONLY £24.95

Kickstart 1.3 ROM supplied separately only **£ 29.95**
Kickstart 2.0 ROM supplied separately only **£ 39.95**
A500 Revision 5A PCB Circuit Modification Service **£ 29.95**

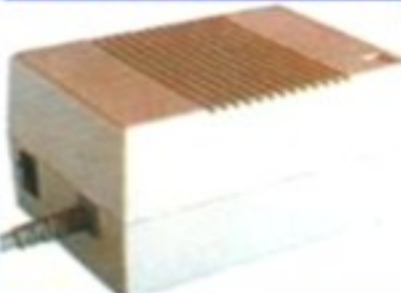
TRACKBALL



High performance trackball, directly compatible to any Amiga or Atari ST. Plugs into mouse or joystick port. Super-smooth and accurate - you probably won't want to use a mouse again after using this Trackball! Full one-handed control. Top quality opto-mechanical design, giving high speed and accuracy every time. No driver software needed!

ONLY £29.95

REPLACEMENT POWER SUPPLIES



Genuine Commodore Amiga A500 type replacement Power Supply Unit. Good quality 'switch mode' type. Super low price!

ONLY £39.95

Replacement Power Supply for A590 Hard Disk **£ 49.95**

STEREO SOUND SAMPLER

Offering full compatibility with almost any Amiga audio digitiser package, our Sound Sampler features excellent circuitry, yielding professional results. The main A/D converter gives a digitising resolution of up to 50KHz, with a fast slew rate. Two phono sockets are provided for stereo line input, plus an option for microphone. Adjustable gain is achieved with built-in control knob. Complete with public domain disk containing sound sampling applications / utilities.

ONLY £29.95

MIDI INTERFACE

Our fully compatible, high quality MIDI interface connects directly with the Amiga serial port and provides IN, OUT & THRU ports for good flexibility. Features LED indicators on each port for diagnostic purposes. Superb compact design!

ONLY £19.95

VIRUS PROTECTOR

Our compact Virus Protector fits easily to the Port of the last disk drive in your Amiga system, protecting all internal and external drives from boot block viruses. Incorporates a switch to enable or disable the protection facility.

ONLY £6.95

VIDI-12 Amiga video digitiser package inc. VIDI-Chrome **£ 110.00**
Amiga 500 Dust Cover **£ 4.95**
Amiga 600 Dust Cover **£ 4.95**

PRINTERS

Prices Include VAT, Delivery and Connection Cable

Gold Star REGISTERED DEALER

EVESHAM MICROS STAR PRINTERS INCLUDE 12 MONTHS ON-SITE WARRANTY

STAR LC20 9-Pin Printer



SUCCESSOR TO THE BEST SELLING LC-10, WITH MANY FEATURES AND FAST OUTPUT

Providing superlative paper handling, four excellent NLQ fonts and a new super-fast print speed of 180cps in draft and 44 cps in NLQ, the LC20 appropriately supercedes the phenomenally successful LC10!

ONLY £129.99

Star LC24-200 COLOUR Printer

COMBINES HIGH QUALITY 24-PIN COLOUR PRINTING WITH EXCELLENT VERSATILITY - AT A BUDGET PRICE!

- 24-Pin 7-Colour Printer
- 200cps draft / 67cps L.Q.
- 222cps High speed draft facility
- 30K Buffer expandable to 62K
- Swivel Selectable Push or Pull Tractor, with bottom feed capability
- Advanced Paper Parking
- Electronic Dip Switches
- 10 Resident LQ fonts
- Includes Colour Ribbon

ONLY £269.08

Star LC 200 9-Pin Colour, 4 fonts, 180/45cps **£ 193.88**
Star LC 24-20 24-Pin, 4 fonts, 180/60cps **£ 204.45**
Automatic Sheet Feeder for 10" LC printers (pls.state model) **£ 64.95**
Star XB24-200 COLOUR 24-pin, 80 col. power printer **£ 368.95**
Star XB24-250 132 column version of XB24-200 **£ 438.28**

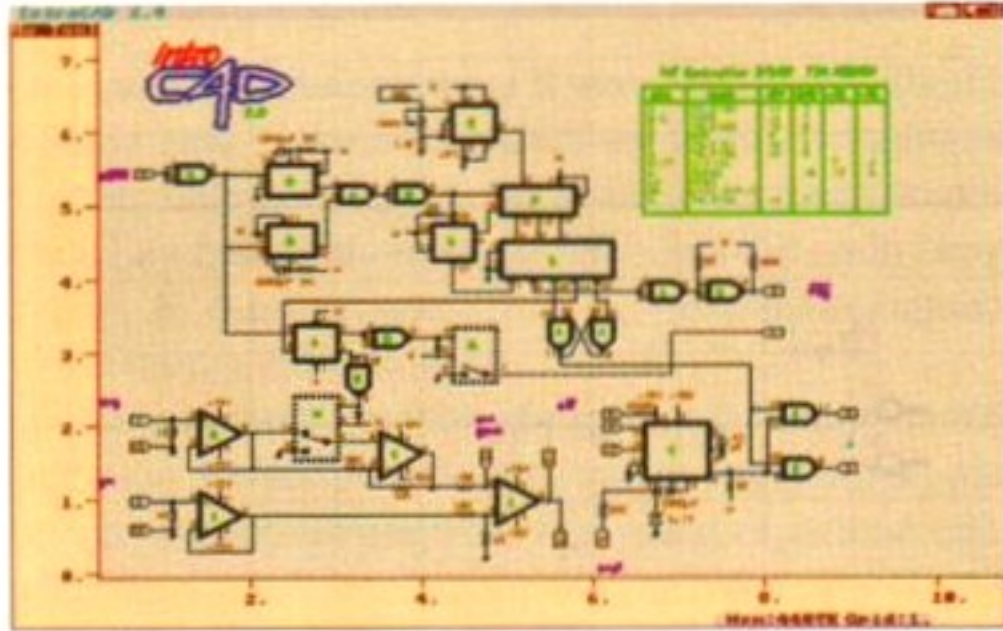
Citizen Swift-24E including COLOUR kit **£ 299.99**
Hewlett-Packard Deskjet 500 **£ 359.99**
Hewlett-Packard Deskjet 500C (Colour) **£ 529.00**
Canon BJ-10EX Inkjet Printer **£ 233.83**
Epson LX400 budget 10" carriage 9-pin 180/25cps **£ 139.00**
Epson LQ100 24-pin 180/60cps, 8k buffer **£ 205.00**
Panasonic KXP1124i uprated 24-pin model 300/100cps **£ 279.00**
Panasonic KXP2123 good value 24-pin colour model **£ 299.00**

INTROCAD UNZOOM

FROM: JEFF 'WHAT SIREN' BALL, DHAHRAN
Just a quick note to let you know what you're missing out on with *IntroCAD*. Next time you select Zoom, try double clicking the left mouse button without moving the mouse. See, it does zoom out! Make sure that the pointer is positioned where you want it to be in the centre of the screen.

I'd also like to take this opportunity to thank PD Soft for posting the quite excellent *DynaCadd* demo to Saudi, and to moan at the local religious lunatics who take to my issues of the magazine with a black felt pen. Catwoman? More like Cutwoman.

Thanks, not just to you Jeff but to all the people who noticed how to Unzoom on *IntroCAD*.



For all those people who have stumbled around with the Fullpict option, *IntroCAD* can unzoom!

SHOULD I STAY...

FROM: D STUBBS, SOUTHAMPTON

I own a brand new Amiga 1500 Plus (Workbench 2 etc). This has replaced my Atari STE for nearly all my computer needs, including the MIDI side, but I need to expand it now so that it will be powerful enough for my future requirements. In particular I want to move my DTP and programming work on to the Amiga. I had decided to buy the GVP G-Force 030 40Mhz processor card and add my own 200Mb hard disk.

I know Commodore are releasing a new machine for 'Power Users' but I am a little concerned about losing my investment. I have seen little from Commodore to quell these fears, hearing them say 'Well if the users are dedicated to us they won't mind throwing away their old machine and buying the new'. I say 'Forget it! I'll buy a PC!'

So to my questions:

1) If I buy the GVP card, will I be able to upgrade my current machine to the new AA chipset?

Workbench

Readers' queries of a technical nature, answered by our resident CLI command **Pat McDonald**.

I can't really give you a straight answer to this question. Remember that the existence of the AA chip set (giving more colours and better sound to the Amiga) is still officially denied. It might be possible to upgrade machines to the new standard, if it does exist.

2) If not, will I be able to use the GVP board in the new machines?

Almost certainly not. I honestly don't think that the new Amigas will be able to take many of the internal expansions of the A1500/A2000 series, and of these processor cards are the least compatible contenders.

3) Will I be able to trade in my A1500 for a brand new type?

Almost certainly yes. Even if there is no 'official' offer, many computer dealers do trade-ins. I advise you to hold on for a little while longer, and see how the different systems compare. An A1500 with a 25MHz or better GVP card is going to go faster than the equivalent 'pure Commodore' model, even though it may lack some of the new whizzy screen modes.

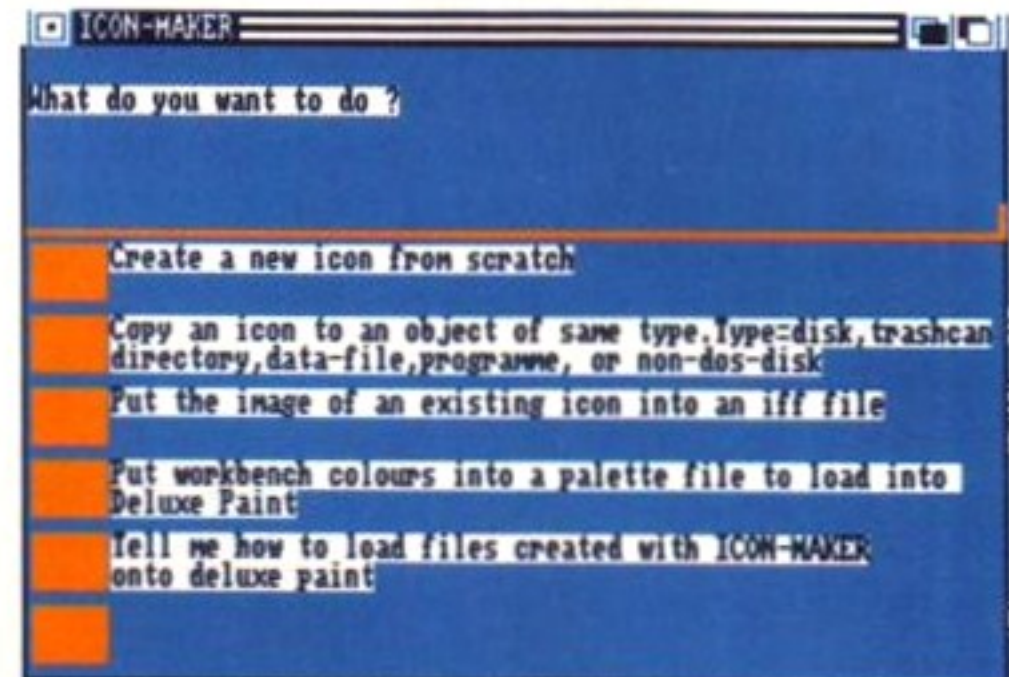
BLANK DISK

FROM: PETER DUNSTAN, SOUTH HUMBERSIDE

For the first time I decided to buy some PD disks for my A500. All but one of them works fine. The odd one out is called *Business Letters*. When this disk has loaded into my Amiga, there are no icons, except for the Trashcan which is empty. The disk has got files on it, which I can list with a quick Dir. What I would like to know is:

1) How do I get into these files if they don't have any icons?

You use Shell. Most PD software is archived on a disk as a single, massive file (like *Legend of Valour* on this month's Coverdisk). To get it off again, some delving



Icon Maker is donkey's years old, but it still remains a viable choice for turning IFF files into icons.

through the Shell or CLI is necessary – you may be able to do a quick Dir, but can you copy, format, and rename? Can you de-archive using *LHA* or *PKZip*?

Don't be deterred – if the contents of the PD disk in question are just a load of business letters, then surely you should be able to load them into any old word processor. If they are archived with either of the above programs, then the programs (and especially the documentation for them) should be on the same disk.

2) Can I make up icons to put on to the disk?

You should be able to, if you are conversant with a good icon editor like *IconEd*, *IconMaster* or *IconMeister*. The tricky bit is knowing which files do what – and only experimentation through the Shell (try TYPEing some of the files) will give you the knowledge you seek.

Workbench 2 is very useful in this situation, because by double clicking on disk and selecting All Files from the show menu, every file on the disk is given an icon. The type of icon given depends on the type of file, so you can even type in arguments to a CLI command. A neat feature – upgrade now if you want it.

HIGH SPEED SAMPLING

FROM: MARL TYRRELL, WENDOVER

I've found a way to fit a longer sound into the same amount of memory. Copy the sound to tape first, and either press Play and Fast Forward or (assuming you've got it) use a high-speed dub facility.

Sample from the high-speed tape – you may need to keep the tape pressed down at one corner for it to play at all. Then using your sampler software (I prefer *AudioMaster*) retune the sample to a reasonable rate. It sounds silly but it does work!

Indeed it does, but the sample quality will not be brilliant. However, this process is useful for simple backing loops though, where a couple of real instruments are being played.

If the sounds you are sampling are too complex, and the sample is too long, you will still run into the knotty problem of whether to sacrifice sample length for quality or vice versa.

Continued overleaf

TUNING MODULATORS

FROM: MARTIN TRUSTY, BATTERSEA

£50

Since the frequency of Channel 5 on the UHF is now officially the same as computers and videos, I plucked up the courage to look inside my modulator. After prising it open I found four adjustment screws.

All you have to do is adjust the Coarse adjustment, then turn on your TV and select an unused channel. Tune the TV as best you can to the computer, and then use the fine tune on the modulator to get you the best possible picture.

If you are using a video recorder with the same TV as your computer, it makes sense to readjust both so that they don't clash with each other or with the new TV channel.



The screw at the corner is the coarse adjustment – the screw next to it is the Fine adjustment.

And there you have it – don't worry about losing the warranty on the modulator because it isn't screwed together. Just tug it at both sides and it comes apart quite easily. Have a £50 mail-order voucher.



TOOTHPICK FIX

FROM: TERRY DOOHER, LEICESTER

A few months back, my internal drive died. Normally it clicks every three seconds to check for a disk being inserted, but it stopped doing that. Which meant that the machine never knew it had a floppy disk in it unless I booted with that disk – so two-disk games were out, as was serious software because I couldn't save to a different disk.

Seeing as my warranty had run out a long time ago, I took the machine apart and removed the disk drive. I discovered two pins, just inside the slot where you insert a disk and on the left-hand side. One of them was stuck down. I assumed this was the problem and poked at it with a screwdriver. It shot out again and my drive has been working fine ever since.

A friend of mine had a similar problem with the outer sensor of his drive – the write-protect sensor, not the disk sensor. It had snapped off, so write-protected disks were still vulnerable to viruses. I just replaced the pin with the end of a toothpick, and his drive works just fine now.

Loath as I am to advocate poking a screwdriver into the Amiga, the sensors on floppy disk drives commonly go wrong and can actually be fixed using the above methods.

COLLECTING UTILS

FROM: D BATEMAN, YORK

Is it possible to put frequently used software (like a collection of utilities) on to a ROM chip? What sort of hardware and software would be needed to use such a ROM chip?

It is technically feasible, but it doesn't make financial sense. Freezer cartridges like the Action Replay III are collections of utilities burnt on to a ROM and wired into an Amiga, but these are mass produced. If you

were to sit down and do your own ROMs, the cost would be far higher than a hard drive, which does much the same job but can store much more than a ROM chip.

What sort of difference in speed does ROM shadowing make?

It depends on how often the software you are using makes use of ROM routines. When and if it does, the information will come out of a shadow ROM at least twice as fast as from the built in ROM chip. Or in other words: a lot of difference for most serious programs, and not a lot for most games.

Why is building your own hard drive just as expensive as buying a GVP Series II?

Again, it comes down to mass production. If you were making 100 hard drives, rather than just one for yourself, then you could get the bulk order discounts that make hardware manufacturers possible. This isn't confined to hard drives – for instance it's not that easy to make a sound sampler for less than the cost of a ready-built one.



The GVP Impact Series II – it's still the best pure hard drive expansion for the A500 series.

PORTING UP

FROM: SAX JARRITT, CHICHESTER

Can you tell me if it is possible to get an Amstrad PCW9512 to communicate with an A500? I want to port some *LocoScript* files from the PCW to the Amiga, for use in a DTP program.

I have had such conflicting advice that I am reluctant to buy an interface for the Amstrad which is an otherwise redundant machine.

Maybe, but it's the cheapest way, unless you want to do a lot of retyping. Buying an RS232 interface for your PCW and a comms program (*Mex* was pretty good, from what I remember of CPM) plus a comms program for the Amiga (*NComm*) and a null modem cable is the surest way to do it.

Finally I want to know if I can use a modem to communicate with other systems or can I just talk to other Amigas? And what happens if the person you dial through the modem has turned their computer off?

You can talk to many, many different kinds of systems, not just Amigas. As for the second question, not a lot. The idea is to make use of electronic mail services, which store messages for their users. When somebody rejoins the service, any new messages are sent. Practically all services, even the humblest bulletin board, have this facility.

FASTER PRINTING

FROM: JOHN HEDGER, LUTON

I have recently bought a Citizen printer to use with my A500 Plus. As you are probably aware, printing dumps of colour pictures takes an absolute age, and it was while I was waiting for a printout that I discovered something. It's quite amazing how just waving the mouse pointer randomly can lead to some excellent benefits.

STATION SOUND

FROM: JAMES MANNING, SHROPSHIRE

OK, I bought *DeluxePaint III*, and it certainly is a great program, but thing was I couldn't add any sound to my animations. So what did I do? I went out and bought *Disney Animation Studio*, and I was horrified at the speed slow down. I tried in vain to find *MovieSetter* (as used by Eric Schwartz) but never could seem to find a copy.

Spin my nipple-nuts! *Animation Station* on the front cover of *Amiga Format*! Can I truly add sound effects to any of my animations? Arrggghhh! Stop it! What are you doing! You're ruining my precious work! All those hours I spent glued to my computer. I know I shouldn't have been playing with that tube of super glue in the first place but that's not the point. Please God, kill me now.

As you can guess, I was not too pleased with this program's performance. I had given up on it until one day, while playing aimlessly with my animations and the 'View' utility supplied I happened to discover something that has completely changed my life, period.

First, you will need to save your animation on to a formatted disk. On this disk you must include a number of IFF 8SVX 'one shot' sound samples (not multi-octave or RAW binary) that you would like to add to your animation. If you like, put them in a drawer called SoundFX. Then copy the View program from the Coverdisk to your formatted disk. This can be done by dragging the icon via Workbench or by using this at the Shell;

```
Copy AStation:UTILS/View/View.info to
Mydisk:
```

Once this is done, you will need to create an audio specification file in the same directory as your animation. This can be done with a text editor or word processor – there is a text editor on Workbench called Ed but it isn't very good. The audio file must have the same name as your animation file, plus an added '.audio'.

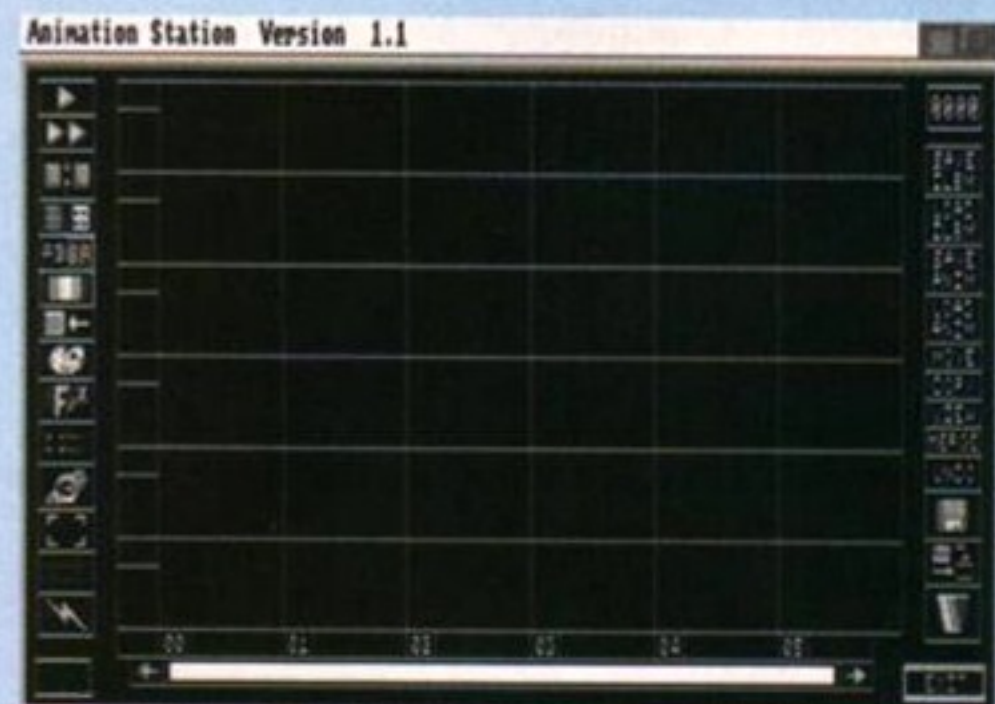
For example, if your animation is called 'MyfirstAnim.anim', then the audio file MUST be called 'MyfirstAnim.anim.audio' or it WILL NOT WORK. Don't forget to omit the quotes, and it doesn't matter whether you upper or lower case (capital or little letters).

The audio specification file must obey the following format:

```
DiskName:Path/IFFSoundFileName0
DiskName:Path/IFFSoundFileName1
DiskName:Path/IFFSoundFileName2
```

... and so on, ending the list of sound file names with an asterisk.

```
*
NForegroundSoundSeq (ie number of fore-
ground sound frame sequences)
Frame # Sound # (L for Left channel, R for
Right) Volume
Frame # Sound # L or R Volume
...
```



Animation Station, which comes complete with its own sound scripting system. You learn something new...

```
NBackgroundSoundSeq (ie number background
sound frame sequences)
Frame # Sound # L or R Volume
Frame # Sound # L or R Volume
....
```

Here's an example of a complete file.

```
Mydisk:SoundFX/Boing
Mydisk:SoundFX/Engine
*
2
0 0 L 64
15 0 R 32
1
0 1 L 20
```



Even this quite splendid Citizen Printer will slow down if a complex graphic screen is displayed on the Amiga.

Anyway, while printing, if you click and drag the menu bar down on *DeluxePaint IV* (drag it right down so that it's off or nearly off the bottom of the screen) the printhead doesn't pause for so long. In fact, it pauses for less than half the time that it normally takes.

I suspect that this phenomenon is due to the Amiga not needing to display a complex graphic screen. I also suspect that this speeds up all processing, not just printing graphics, although I can't seem to prove this yet. I hope other AMiga and Citizen users can benefit from this tip

Yes, it comes down to contention between the processor (68000) and the video chip (Denise). If a displayed screen has more than 16 colours – uses more than four bitplanes – then the Denise has priority, and so the machine actually slows down. There is a much easier way to hide the screen though – simply press the key to the left of the spacebar, and N or M. This will toggle the machine between displaying Workbench and your program.

Continued overleaf

This is what happens. At frame 0, the example will play sound 0 (Boing) through the left speaker at maximum volume, namely 64.

At frame 15, sound 0 is played through the right speaker at half the maximum volume, namely 32.

There is one background sound in this animation, which is sound 1 (Engine). It starts on frame 0 and plays in the left channel, with a volume of 20.

Valid frame numbers are 0 to one less than the total number of frames in your animation. If the frame number is bigger than this, the sound will not play.

Valid sound numbers are 0 to one less than the total number of sounds you are using. If you use a sound that doesn't exist, then it won't work.

Valid channels are L for left and R for right. Valid volumes are 0 (off) to 64 (the loudest). Background sounds start up the first time the desired frame appears, and loop continuously until the end of the animation.

And there you have it. A prize is now on its way for your unstinting efforts. You will of course need to use a text editor or word processor to write this kind of audio file (and many others) file – *Memacs* on some Workbench Extras disks will do at a pinch, but there are some quite excellent shareware alternatives like *TextEngine*. If you've any similar tips then send them in.

Techno Babble

Do you know how to talk techie speak? Well if you don't then this little bit of jargon busting should sort you out!

Accelerator: hardware expansion that gives your Amiga a faster CPU. Often used with maths-intensive software where a standard processor is too slow, for programs called 'raytracers' which literally trace the rays of light which bounce around a scene to produce a picture. Also used to considerably speed up flight and other kinds of simulations.

Anim Brush: a brush is a small section of a graphic screen, cut out with a paint program like *Deluxe Paint*. Anim brushes are different small images with the same dimensions – for instance, a bird flapping its wings or an eye blinking.

Blitter: BLock Image TransfER device. Used for copying large areas of memory from A to B, or to combine different areas into one single image. Widely used to generate large graphic shapes in computer games.

Bridgeboard: Commodore's own IBM emulating device, featuring a complete PC computer on a single card. Only fits A1500 and above machines – enables use of standard PC cards.

Chip RAM: memory accessible by the custom chips (Paula, Agnus, Denise) as well as the processor. Used to store all graphics and sounds. Can be used by programs too – with speed slow downs.

CLI: Command Line Interface. The program which enables you to type commands into AmigaDOS for standard operations like copying files or getting a directory. Shell is more commonly used now.

Copper: Co-processor. Used to generate subtly coloured backgrounds – this device built into the Agnus chip can alter colours while the screen is being generated. Executes instructions at the same time as the processor.

CPU: Central Processing Unit. The decision-making chip, the one that tells everything else what to do. It can be interrupted by custom hardware if its programs are in Chip RAM.

Fast RAM: memory that's only accessible by the processor. Programs stored here run faster than those in Chip RAM – hence the name.

Frame grabber: device for capturing live video data and converting it into computer picture data. Doesn't require a still video signal. Usually gives much better results than a video digitiser, which does the same job, except that the video must be paused.

Freezer cartridge: quasi-legal device for examining programs while they are running. Usually with many useful built-in utilities which help overshadow its dubious origins.

Hard drive: basically a big disk for keeping Workbench and all the serious software that you use. Works much faster than a floppy disk. More and more games are becoming installable on to a hard drive.

IFF: Interchange File Format. A standard way of storing pictures and sounds, invented by Electronic Arts and adopted by Commodore. A single standard – practically all art programs can load and save pictures in this form.

Kickstart: the name of the set of programs which are run when the Amiga is turned on. Also contains many library functions for use by programmers. Latest release is Kickstart 2.04. Other releases; 1.3, 1.2, 1.1.

PD: Public Domain. Literally, software that is the property of everybody. PD disks can be freely copied by anyone, and you can also distribute them to whoever you want. The correct term is 'Freeware'. 'Shareware' (try before you buy) and 'Licenseware' (commercial and non-distributable) also come under the same rough heading.

ROM: Read Only Memory. Memory that cannot be altered. Widely used as the starting programs for computer systems that have just been turned on – ROMs remember things permanently.

RAM: Random Access Memory. Memory that can be altered and re-altered many times. Typically, it does not remember what it contains when the computer's power is switched off.

Scanner: hardware device for reading flat pictures from posters, newspapers and so on, and converting them into computer graphics. Often used in desktop publishing to read in previously published images.

Script file: a set of commands which you would otherwise have to type into the CLI or Shell by hand. Saved as a text file. Learning how to use Shell or the CLI involves learning how to write script files.

Shell: more up-to-date version of CLI. Works in exactly the same way, but enables some flexibility in what commands are called via the 'alias' function. Also gives some hot key combinations to enable some editing of previously entered commands.

Sound Sampler: hardware device that converts electrical music signals (typically from a tape or CD player) into computer sound. Can also be used with a microphone to capture live sounds.

Sprite: a graphic object that is independent of the screen. On the Amiga, sprites are limited in size and colours. Typically used for mouse pointers, alien missiles, and so on.

Startup-sequence: the name of the script file, contained in the S directory, which is executed after a disk has booted. Typically contains just the name of a program to auto-run, but can be very complicated. Whatever the nature of the file, it must always be called Startup-sequence and live in the S directory.

Workbench: the set of programs which sets up a graphical 'point-and-click' interface on the Amiga. Much more friendly than the CLI or Shell, but not as flexible. Always has to be loaded from disk, which is slow but does enable much customisation. Workbench 2 requires a Kickstart 2 ROM. Workbench 1.3 requires a 1.3 ROM, 1.2 needs a 1.2 ROM and so on.

Zorro: this the generic name for the Amiga's expansion connector. The A500, A500 Plus and A1000 had the original Zorro 1; the A1500s and the 2000s have Zorro II; and the A3000 has Zorro III. They are not compatible, hence the different expansions for different machines. The new A600 has a PCMCIA connector instead.



MUSE ON

FROM: CLAIRE WILLIAMS, KEMPSTON

I am interested in writing music and will be buying an Amiga later this year. I would like to buy a sequencer and a professional quality package of sound samples, but I only have a vague idea of what I want. I'm not even sure which Amiga to invest in. What do you recommend?

Ideally, a new Amiga. If you buy second hand, the only machine to steer clear of is the old A1000, as it is substantially different to Amigas of today, and it costs a fortune to upgrade to present standards. All machines since then (the A500 and A2000) can be upgraded to Workbench 2 and the ECS. If you want to expand in a big way, an A1500, A2000 or A3000, while expensive in the short term, will save you money in the long run.

However, from the tone of your letter it appears you want a simple setup with one or two sound extras. An A600 at £299 is the absolute bottom line, although an A600HD will load and save your work and programs much faster, because of its built in hard drive.

The compatibility of music software is very good, you see, so you're spoiled for choice, because the standards for music have been much the same ever since the early days of the Amiga. Rumour keeps on pointing (it is still just rumour) of a new Amiga with much better sound and graphics appearing in the near future. Whether or not music software will be compatible with the new standard remains to be seen.

In Issue 37, pages 24-25 you did an interview with Urban Shakedown. In it, both *Med 3* and *Audio Master II* were mentioned. What exactly are these?

Med 3 is a tracker program. These display four or (in the case of *OctaMed* or *Oktalyser*) eight tracks. You can enter sound information into these tracks, in order to build up a song. Each track is split into a number of blocks. If a block is repeated (very common with drum or bass tracks) then it can be repeatedly played.

Audio Master II is a program for recording and editing sound. Although you don't actually need any extras to edit existing sounds, to sample new sounds (take them from the outside world and change them into computer data) you do need some extra hardware - a sampler cartridge, usually just called a sampler. *Audio Master* is the best sampler program for controlling these devices, far superior to the software you get with them.

With both of them, could I link a keyboard up to the Amiga and use it as a dummy, with MIDI?

Well, you could, but you would also need a MIDI interface. This sits in between the Amiga and MIDI instruments, and let's one control the other. So you could write your song on the Amiga and play it through the keyboard, or use the keyboard to play your music and record it onto the Amiga. *OctaMed* or *OctaMed Pro* are much better for MIDI than *Med 3*, by the way. The MIDI interface goes into the serial port, and the sound sampler usually goes into the parallel port. So you can plug both in at once and use them. You can get packs with both gizmos in (like AMAS) but it's generally cheaper to buy them separately.



The Zoom 9030 effects processor is but one of many sound altering gadgets, often found in music stores.

Finally, what is the TechnoSound hardware and the Zoom 9030 effects processor?

Technosound is a sound sampling cartridge, complete with its own software. You need some sampling hardware like Technosound to connect the Amiga to a sound source, and the sampling software (you could use *Audio Master II* instead of the bundled software) tells the Amiga how to take the sound and convert it into computer data.

The Zoom 9030 effects processor is a piece of kit to add effects to sounds - standard effects like reverb, echo, sustain and so on. Similar devices are legion throughout the music world. Effects processors are rarely hooked up to a computer directly - they deal with sound signals, not digital data.

IN SEARCH OF SANITY

FROM: MARTIN J BAILEY, DRIFFIELD

I am considering upgrading my humble A500 to Workbench 2 and 1Mb of chip RAM. In particular I want to try and keep up with the 2Mb chip RAM potential of the A500 Plus and now the A600. The thing is, though, I am left rather confused by all the

changes that have been occurring recently in the Amiga market.

I spoke to an Amiga specialist company about upgrading. They suggested it was only possible to upgrade to 1Mb of chip RAM and even this may be a questionable step as the new ability is 2Mb of chip, which leaves people like me high and dry.

That is unless I spend £200 on a new board, which doesn't make sense in relation to the price of a whole new machine. Then I read in your May issue that revision 6 and 7 machines can be expanded to 2Mb of chip RAM, but how do I find



The A570 CD-ROM drive; if you want one of these then 1Mb of chip RAM is a necessity.

out my machine's revision number?

To add to the confusion you also said that the A570 CD-ROM drive needs 1Mb of chip RAM, and yet in the September issue, when Kelly Sumner was interviewed he stated that the A570 is aimed at people with at least 1Mb of fast RAM! Help! What are us poor 1.3 owners meant to do?

First, ignore Kelly Sumner because the guy isn't a technical stickler like me. 1Mb of chip RAM is what you need to use an A570. The revision number is written on the circuit board of the Amiga, so you have to dismantle the machine to discover it. Seeing as you have to take it apart to actually fit 1Mb of chip RAM, that's not too much of a problem.

As for 2Mb of chip RAM, while very useful for animators and long samples, it's not a standard feature of any Amiga. Sure, A3000s, A500 Pluses and A600s can have 2Mb of chip RAM without any problem - but they don't come with this fitted as standard straight from the factory.

This is an important point. When professional programmers consider their next release to rake in the millions, they look at the different standards of computer. If most machines have a facility, like 64 colour Extra Half Brite (EHB) mode, then they feel safe in using it. If a facility is comparatively rare, like 2Mb of chip RAM, then they will avoid it.

However, all combined Amiga/CD systems will need 1Mb of chip RAM. This standard was set by Commodore with CDTV, and cannot be altered now. So if you want to use Amiga CD, you need 1Mb of chip RAM. I hope you read that Kelly.

So far, only *Civilisation* has made use of the 1Mb of chip RAM, but even so, there will be far more games appearing which will make use of this extra RAM. I dare say some games will make use of 2Mb of chip RAM. Even so, it will be many months before 1Mb and 2Mb chip RAM machines are in the majority (perhaps 30 per cent or less have the facility at present). Only then will upgrading to this specification be a necessity, as more programmers release products for it.

A600HD MEMORY

FROM: R POLDING, COLYTON

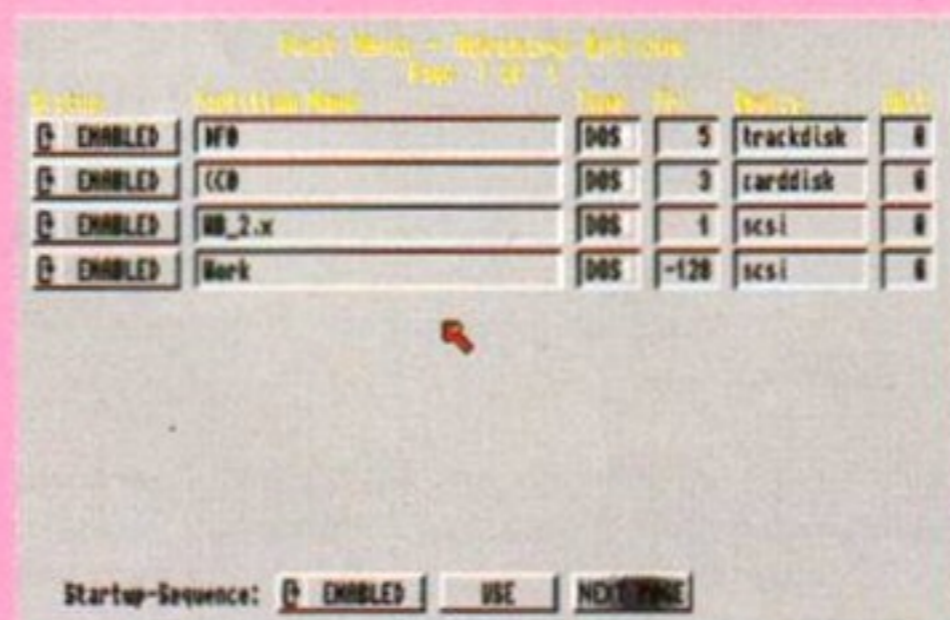
£50

If you are having difficulties with a 1Mb A600 HD, then read on. The trouble with this machine is that the hard disk takes up a little bit of memory,

and so there isn't enough for programs like *Myth* or *Vista* to work.

Just press and hold both mouse buttons when you reset the machine (or turn it on) and the boot selector screen appears. Click on the Advanced Options gadget, and disable the hard disk's partitions (they are factory set to WB_2.x: and Work: although you can call them whatever you want).

Now click on the Use button, placing your disk into the internal floppy disk drive. Finally click on DF0 and it should boot up fine.



The Workbench 2 Boot selector screen is dead handy for deactivating memory grabbing peripherals.

And some people thought the boot selector was a gimmick. That's another £50 voucher. If you think you've got something clever to say why not write in?

The New Amiga A600 Packs

Repairs

Our Service department can repair Amiga's in minimum time at competitive rates. We can arrange for courier pickup and return delivery of your machine to ensure it's safety. We even have a same day service which will ensure your machine is given priority and subject to fault, completed the same day. We can fit memory upgrades, ROM upgrades. We offer a Quotation service for £15 for which we will examine your machine and report back with an exact price for repair. If you do not wish to go ahead with the repairs then just pay the £15. However if you do go ahead then the charge is included in the minimum charge. Please note: The minimum charge covers labour, parts are extra.

Quotation	£ 15
Min repair charge	£ 35.25
Courier Pickup	£ 11
Courier return	£ 6
Same day service	£ 15
1Mb Internal drive	£ 59.99
A520 Modulator	£ 24.99
A500 PSU	£ 39.99

New Amiga A600

£269.99

Includes: The new reduced size keyboard, internal modulator, 1Mb on board RAM, Workbench 2.05. Will take smart cards. Also includes 12 months on site Warranty.

New Amiga 600 wild, wierd and wicked pack

£315

Includes A600 with Pushover, Microprose Grand Prix, Putty and Deluxe paint III.

New A600HD Epic Pack

£449.99

Includes A600 with 20Mb internal hard drive and Epic, Trivial Pursuit, Rome Myth.

GVP II Hard Drives

GVP II A500 Hard drives include injection moulded styling, internal RAM expansion to 8Mb via SIMM boards, Capacities from 52Mb, 3.5" 11ms Quantum mechanism, Internal Fan, Game switch and mini slot for future expansion.

GVP 52Mb	£349
GVP 120Mb	£449
GVP 52Mb + 2Mb Simms	£399
GVP 120Mb + 4Mb Simms	£539

GVP SIMM's

2Mb SIMM Upgrade for GVP II

£47.99

4Mb SIMM Upgrade

GVP II

£92.99

ROM's

ICD ROM sharers and ROM upgrades.

ROM Sharer	£24.99
1.3 ROM	£34.99
2.04 ROM	£49.99

Monitors

Philips 8833MKII	£ 189.99
Includes Lotus II and 12 months on site warranty.	
Philips 15" FST Cube TV	£ 259.99
Fastext, scart input TV near monitor quality.	
Philips 15" FST Tv	£ 219
Monitor cable	£ 9.99

Disks



10 bulk disks	£4.94
50 Bulk disks	£20
100 Bulk disks	£38
40 disk box	£4.99
100 disk box	£7.99
120 disk box	£9.99
10 High Density	£9.99

Printers

Star SJ48 Bubblejet	£210
Star LC-20 dot matrix	£124
Star LC-100 colour d/m	£165
Star LC-24/20 dot matrix	£189
Star LC-24/100 colour d/m	£199
Star LC-24/200 colour d/m	£259
All Star dot matrix (d/m) printers include 12 months on site warranty. Add £3 for Centronics cable.	

Falcon 030

£489.99

1Mb RAM (Expandable to 14Mb), 1.44Mb disc drive, 16MHz 32 bit 68030 processor, 32MHz 56001 Digital signal processor, 8 channel 16 bit DMA sound chip, 65536 colours in low res, 256 colours VGA mode, Multi TOS multitasking operating system, internal expansion for IDE hard drives, SCSI II bus, Microphone input for direct sound digitising.

Golden Image 512K RAM Expansion with Clock

Only £17.99

GI Hand Scanner £109.99

The Golden Image Hand Scanner for the Amiga features a 105mm scanning head, variable contrast control, user selectable scanning resolutions of 100, 200, 300 and 400 Dpi, one letter mode for high contrast B/W images and 3 photo modes for various shades of grey. The high quality hardware is backed up by two of the most respected graphics packages around, Migraph's Touch Up for scanning and editing lines and grey scale images and Deluxe Paint III art package for colour.

- 100, 200, 300, 400 Dpi scanning resolution
 - 105mm scanning head
 - 1 letter mode, 3 photo modes
 - Includes Touch Up
 - Includes Deluxe Paint III
- Jin Scanner £89.99**
Includes Dpaint III

GI External drive £47.99

The Golden Image External 3.5" Floppy drive for the Amiga features 880K formatted capacity, double sided double density, through port and data enable/disable.

- 880K Formatted capacity
- New low price (no track counter)
- Data Enable/Disable switch
- Daisy Chain Through Port

The NEW *Brush* Mouse

- 150 Dpi resolution
- 500mm/SEC Tracking speed
- Switchable between Amiga/ST
- Opto/Mechanical Mechanism
- Includes Deluxe Paint III
- Direct mouse replacement

£24.99 with D-Paint £19.99 without D-Paint

GI Optical Mouse £24.99

The Official Golden Image Optical Mouse is a high quality, 3 button, replacement mouse. The fully optical mechanism means no moving parts and offers far higher reliability than opto/mechanical mice.

- 250Dpi, 500mm/sec tracking speed
- Fully Optical
- Mouse mat included
- Switchable Amiga/ST

GI Mouse

The Golden Image Opto/Mechanical Mouse offers 290 Dpi resolution, 2 Microswitched buttons for greater reliability and crisper, more positive response, Anti-static silicone rubber coated ball. Also includes mouse mat.

Only £14.99

Jin Mouse

Don't be deceived by the low price of this mouse. Mass production of the Jin mouse has resulted in a high quality Opto/Mechanical mouse featuring 290 Dpi resolution, 500mm/sec tracking speed, Anti-static silicone rubber coated ball.

Only £9.99

Ladbroke Computing International

Ladbroke Computing International are the longest established Alan dealer in the UK. We have developed an extensive customer service policy which involves testing of all Hardware prior to despatch to ensure that goods arrive in working order, offering free advice and support over the phone and keeping customers informed. Although our prices are not always the cheapest we do endeavour to offer consistently good service and backup. All prices correct at copy date 17/09/92 (while stocks last), and are subject to change without prior notice. All prices include VAT but exclude delivery. Add £5 for next working day courier delivery, add £10 for Saturday courier delivery (mainland UK only). Add £3 for postal delivery, only on items under £50 (check with staff before ordering). All prices available on Mail Order. Shop prices may differ. Shop/Mail order premises: 33 Ormskirk Road, Preston, Lancs, PR1 2QP. Open Mon-Sat 9.30am-5.00pm. Phones answered from 9.00am. Ladbroke Computing International is a trading name of Ladbroke Computing Ltd. BFPO addresses overseas, deduct 17.5% VAT and add normal UK carriage.

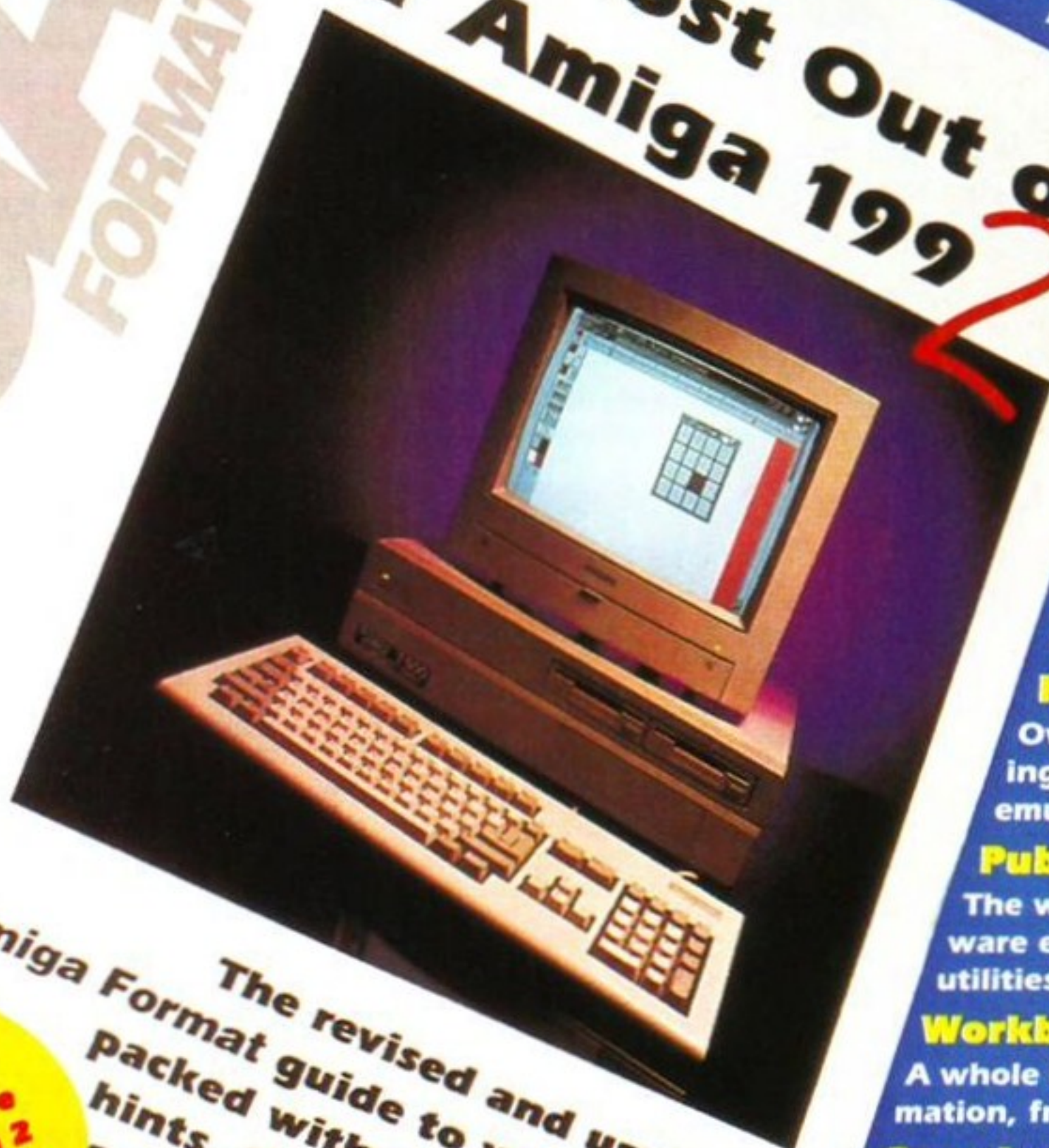
Telephone (0772) 203166 FAX (0772) 561071



The new, updated complete guide to the Amiga

Get the Most Out of Your Amiga 1992

A FUTURE BOOK
Get the Most Out of Your Amiga 1992



The revised and updated Amiga Format guide to your Amiga, packed with the most useful hints, tips and guides to all aspects of the Amiga scene

EDITED BY DAMIEN NOONAN

Costing only £9.95 and completely rewritten to include stacks of new information, this is the most comprehensive overall guide there is to every aspect of the Amiga and what to do with it.

Creativity guides

Get results by reading our advice on what software to buy in graphics, 3D, animation, DTP, digitisers, scanners, music, video, education, multimedia.

Productivity guides

More buying suggestions and solid advice on the practical areas of word processing, databases, spreadsheets, accounts software, comms, programming.

Info for beginners

Features to introduce the Amiga, explain how it works and get you started in any area of Amiga use including Workbench and the CLI.

Hardware explained

Overviews of hardware and its functions, including buying recommendations on printers, emulators, monitors and more.

Public domain

The whole world of free and next-to-nothing software explained, explored and elucidated. The best in utilities targeted and the demos scene exploded.

Workbench technical tips

A whole host of interesting and useful advice and information, from hardware to software and back.

Gamebusters games advice

Including tips and hints for old favourites like Rainbow Islands, Batman, Rick Dangerous, Dungeon Master and Shadow of the Beast 2 as well as some of the recent hits like the game of the year Lemmings and the amazing Supercars 2.

Plus two complementary disks for only £4.00 extra featuring:

JRComm communications package
Scenery fractal landscape generator
Cruncher compression utility ScreenX saves screens as pictures Iconmaker icon creator Sysinfo2 tells you what's in your Amiga WhereIs helps you find files Border switches off screen borders ClickDOS the power of CLI without the hassle Safeboot protects your games from viruses ViewILBm displays pictures easily Quicklens magnifies your screen! WB Hacks a bit of fun MegaWB scroll round a massive screen FuncKey customises key set-ups ScreenShift adjusts screen positioning ZeroVirus virus killer Zap binary file editor Bootintro adds intros to your disks RSLClock full toolkit DropCloth adds colourful Workbench screens TaskControl sets your priorities SuperEcho real-time sound processing FPic image processing DropShadow smartens your Workbench DecHexBin programmer's calculator MandelMountains excellent fractal creator Spread simple spreadsheet program.

A500PLUS/600 USERS PLEASE NOTE!
This book and the disks were produced before Workbench 2 was released and not all items are relevant to the new machines

Order form

I would like to order _____ copy/copies of GET THE MOST OUT OF YOUR AMIGA 1992 at the price of **£9.95 (+£1.45 per copy P&P).**

I would like to order _____ copy/copies of GET THE MOST OUT OF YOUR AMIGA 1992 plus 2 disks at the price of **£13.95 (+ £1.45 per copy P&P).**

Name _____

Address _____

Post Code _____

Telephone _____

I enclose a cheque/PO for £ _____

Please debit my Access/Visa card: (delete as appropriate)

My card no. is _____

Expiry date _____

Signature _____

Please send payment with this order form in a sealed envelope to:

Amiga Format GTM 1992 Book, Freepost, Future Publishing Ltd, Somerton, Somerset TA11 7BR

No stamp required if posted in the UK Please allow 28 days for delivery.

OR phone our credit card hotline 0458 74011



AMIGA REPAIRS

JUST £44.95 inc.

VISA



- ★ Commodore registered
- ★ Over 10 years experience with Commodore computers
- ★ Up to 20 qualified technician engineers at your disposal
- ★ We will undertake to repair your Amiga 500 computer for just £44.95 including parts, labour, VAT and post & packing
- ★ **Some computers should be repaired within 24 hours of booking in.**
- ★ Prices include full service check, overhaul, soak-test and replacement of power supply unit if necessary
- ★ Repairs to keyboard and disk drive also included (£15 extra if these units are unrepairable and require complete replacements)
- ★ All repairs covered by a 90 day warranty

**Upgrade your Amiga from 512K to 1Mb of memory for just £25.00
SPECIAL EXCLUSIVE OFFER:**
If you submit your computer to ourselves for repair, enclosing this advert along with just an additional £25, we will supply and fit a 512K memory expansion at no extra cost.

How to take advantage of this exceptional offer: simply send or hand deliver your machine to the workshop address detailed right, enclosing payment and this advert and we will do the rest. (If possible please include a daytime telephone number and fault description).

* If you require 24 hour courier to your door, please add £5 else your computer will be sent back by contract parcel post.

WTS ELECTRONICS LTD

STUDIO MASTER HOUSE
CHAUL END LANE
LUTON, BEDS, LU4 8EZ
Telephone (0582) 491949 - (6 lines)

WTS reserve the right to refuse machines that in our opinion are beyond reasonable repair. Normal charge applies.

Wolfpack £7.99

CHEAP SOFTWARE

Omicron Conspiracy £5.99

Flight of the Intruder	£9.99
Football Crazy	£12.99
Lure of the Temptress	£14.99
Ninja Warriors	£5.99
Gemini Wing	£5.99
Predator 2	£5.99
Back to the Future 2	£5.99

Pit
Fighter
£9.99

Jimmy White Snooker	£14.99
Dune	£14.99
Megalomania	£9.99
Silk Worm	£5.99
Continental Circus	£5.99
Cisco Heat	£7.99
Narc	£5.99

BLANK DISKS

100% CERTIFIED FULLY GUARANTEED

20£8 100£30
50£17 250£70

FOOTBALL CRAZY

KICK OFF 2/PLAYER MANAGER/FINAL WHISTLE

ONLY £12.99

FREE GAME WITH EVERY ORDER

AUNT ARCTIC ADVENTURE	£4.99	PREDATOR 2	£4.99
PAPERBOY 2	£6.99	MEGALOMANIA	£8.99
NARC	£4.99	GREMLINS 2	£4.99
UNTOUCHABLES	£4.99	MIGHTY BOMB JACK	£4.99
FLIGHT OF THE INTRUDER	£9.99	MOUSE MATS	£1.50
MEGA BLASTER JOYSTICK	£4.99	PHOTON PAINT 2	£7.99
NIGHTBREED	£4.99	NAVY SEALS	£4.99
FIGHTER JOYSTICK	£4.99	WILD WHEELS	£4.99

LANGUAGE
LEARNING
PACK

SPANISH TUTOR
FRENCH MISTRESS
GERMAN MASTER
ITALIAN TUTOR

RRP £19.99
RRP £19.99
RRP £19.99
RRP £19.99

ALL 4 FOR
ONLY £19.99

ZYDEC
EXTERNAL DRIVE
£49.99

Airbus	£21.99
Black Crypt	£18.99
Civilisation	£21.99
Crazy Cars 3	£15.99
Dune	£14.99
Espana Games 92	£18.99
Eye of the Beholder 2	£21.99
F15 Strike Eagle 2	£21.99
F19 Stealth/Fighter	£21.99
Fire and Ice	£15.99
Flight of the Intruder	£9.99
Football Crazy	£12.99
Fun School 4 5-7	£15.99
Fun School 4 7-11	£15.99
Fun School 4 Und 5	£15.99
Graham Taylor	
Soccer Manager	£15.99
Harlequin	£15.99
Heimdale	£13.99
Humans	£18.99
Jaguar XJ220	£13.99
Jimmy White Snooker	£14.99
John Madden Football	£17.99
Knights of the Sky	£21.99

Lemmings	£13.99
Lotus Turbo Challenge 2	£15.99
Lure of the Temptress	£14.99
M1 Tank Platoon	£18.99
Megalomania	£9.99
Micro Prose Golf	£21.99
Microprose Grand Prix	£21.99
Oh No Not	
More Lemmings	£13.99
PGA Courses	£8.99
PGA Tour Plus	£17.99
Pinball Dreams	£15.99
Populus 2	£18.99
Push Over	£15.99
Rail Road Tycoon	£21.99
Secret Monkey Island 2	£23.99
Sensible Soccer	£15.99
Shuttle	£18.99
Silent Service 2	£21.99
Striker	£15.99
The Manager	£18.99
Utopia	£18.99
Wolf Child	£13.99

EDUCATIONAL

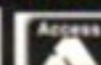
SHAPES AND COLOURS	£5.99
FIRST LETTERS	£5.99
TELLING THE TIME	£8.99

WHILST STOCKS LAST

DIRECT

UNIT 3 • CROSS KEYS SHOPPING MALL • ST NEOTS • CAMBRIDGESHIRE • PE19 2AU

TEL: 0480 471311 (SHOP PRICES MAY VARY)



E&OE

Answerfile

Have you a personal problem? Well if you have ask **Claire Rayner** about it because this page is for Amiga technical problems, period.

Q If I buy a hard disk, will my external disk drive then be redundant?

A Well you will probably use it again. For one thing, it makes life easier when installing programs on to hard disk (less disk swapping). For another, external floppy drives are very handy when copying floppy disks. You probably won't use it so much, but redundant is too harsh a word.

Q Are hard disk drives likely to go faulty? How long do they last?

Not an easy question to answer this one. Hard drives do not usually go faulty within the first years (some do of course). Depending on the environment it's working in, a hard drive should last at least four or five years before dying. Many last much, much longer but that's a realistic average figure.

Let's put it this way: how long does a music cassette last? Although the hard drive is vastly more complex, the basic principle of recording data (by way of magnetism) is the same. Hard drives are also delicate, and you can ruin them just by dropping them, never mind the hot coffee/cig butts/swearing they have to put up with when working with humans.



The GVP A530, more than just a hard drive, but nothing less than brilliant

Q What is the difference between the Series II HD8+ 52Mb hard disk drive and the A530 Combo 40MHz 52 Mb hard drive?

A The former is a hard drive that can take and hold lots of extra RAM for your computer (up to 8Mb to be precise). The latter has much the same in terms of hard drive, but it also contains an accelerator unit, for making your computer perform calculations and decisions much quicker, that is making it go faster. The A530 can also take 8Mb of 32-bit RAM, which works much faster than normal memory but it does need an accelerator.

Both units can have a Mini Slot expansion for taking items like the GVP PC286 PC emulator. More expansions are planned for this, but none have been released yet. When it comes down to it, though, the Series II is a very nice hard drive that doesn't really speed up your Amiga at all. The A530 on the other hand is for people who want to run programs at much higher speeds.

Q You can get the Combo populated with 1Mb of RAM. Could you tell me exactly what this mean?

A Populated means occupied, right? So populated with 1Mb of RAM means that it's got 1Mb of RAM plugged in.

Q I have an A500 Plus. If I bought an A570 CD-ROM drive, would I be able to just plug it in and go, or do I need more memory or something else?

A No, you'll be able to plug it in and go. A500 owners must have 1Mb of chip RAM, but this is standard with the A500 Plus.

Q I read in Issue 38 (September Page 20) about Full Motion Video appearing on the CDTV in the near future and I was wondering if this feature is available on the A570. If not will Commodore bring out a gadget to upgrade the drive to FMV or will that come on a later model?

A Dear oh dearie me. MPEG compression is the heart of moving pictures on computers, but the people in question have only decided on a standard. Nobody is producing chips yet to actually do this sort of thing. It may come out in years to come on the A570 and CDTV. It's vapourware – not on the market yet.

Q I have Kickstart 1.3 and 2, and a sharer board. How do I get my hard drive to recognise which one is in use?

A Here's one I received earlier, from Rob Jaques, Scunthorpe. It's not ideal but it works. Thanks, a £50 mail-order voucher is on its way:

As I haven't seen any proper solutions for people wanting to use both Workbench 1.3 and 2 from hard drives (assuming you also have a ROM sharer and both Kickstart ROMs) here is one that works for me.

You need at least two partitions on your hard drive. Install Workbench 1.3 on to the partition which normally boots (usually DH0:). Install Workbench 2 into any other hard disk partition (eg DH1, DH2).

When you want to use Workbench 1.3, just boot and load as normal. When Kickstart 2 is running, hold down both mouse buttons as you reset or turn on. The boot selector screen will appear. Select the partition which contains Workbench 2, and it should load.

Q At the moment I use a clapped out old dinosaur of a computer. I'm looking for something better. So far I've only looked at Apple Macintosh and IBM 486 PCs but I have been advised to consider the Amiga as a business machine. I will be using it primarily for word processing, spreadsheets, graphs, CAD and DTP.

After buying your *Amiga Format Special* on software I feel that Amiga software appears to be just as good as PC software and a great deal cheaper. It also appears to be possible to add PC and Mac emulator boards, so I could have the best of all three machines.

But the thing is, where do I get the specifications and price lists for Amiga hardware? I want a decent machine, hard disk, memory, decent monitor and so on. Who do I go to?

A If you have no local Amiga independent who stocks and demos 'serious Amigas' then give ZCL a ring on 0543 251275, and they should be able to tell you of a local branch near you who can supply the information that you require. And please do keep buying the magazine to get the latest information.

Q I am thinking about buying an Amiga, but I am not sure if I want an A600, as the edge connector is different to an A500 Plus. So Action Replay and similar expansions will not work. Will there be an Action Replay for the A600?

A Maybe, maybe not. But it's interesting to note two things; first, A500 512K RAM expansions are not widely advertised any more, and A500



Given time the PCMCIA socket may be as well supported as the old A500 edge connector.

Plus/A600 1Mb RAM expansions are becoming more common. So the market is shifting upward for the newer machines, whose owners have no expansions.

When Commodore put the PCMCIA slot on the A600, it wasn't to deny them access to A500 peripherals – that was a side effect, but it wasn't the main purpose. Every sign points to PCMCIA being cheaper and more widespread than any connector so far. So A600 owners should benefit in the long term.

At the moment, the movers and shakers (ie hardware engineers and designers) are still either working on designs or testing prototypes. You can't expect everyone who makes expansions to instantly switch over.

Q Can I plug a Kickstart sharer board and Kickstart 1.3 into an A600, to run software that will not work with Kickstart 2?

A Yes, but you void your warranty, which is rather good with an A600 (someone comes round and fixes it, or takes it away and posts it back). Not really worth it, is it?

Q I am a big fan of flight simulations and I want to buy an Amiga to fly them on. However, I notice that in your review of the A600 there is a problem with them and flight sims. Could you explain it?

A Just about every flight sim uses the computer keypad to get access to the outside views. This is when you're outside the plane, looking at it. As the A600 doesn't have a keypad, you can't see the outside views on any flight sim.

The only exception to this is *Air Warrior*, which does use the keypad quite a lot for the controls. As *Air Warrior* is a modem game, it's expensive and a bit elitist, but great fun. Luckily, it multitasks, so you should be able to run system patch programs to remap the keypad to somewhere else.

Q Is it possible to transfer the hard drive unit from a GVP A500HD to a GVP controller card in an A2000/A1500? It looks simple, unscrewing and dismantling one and plugging the hard disk into the other.

A It does depend to a certain extent on what revision of each unit you are using (older versions don't like having their hard drives swapped without reformatting) but in general yes, no problem.

Q Is there an effective stepper motor control system for the Amiga? I need it for my GCSE project.

A Switchsoft (0325 464423) do one for £27.95, which includes example listings in AMOS (latest version recommended), Amiga Basic and GFA Basic. So, if you have Workbench 2, you will also need one of the above languages on top. If you want to multitask (you say you're running a digitiser too) then GFA would be best, then Amiga BASIC. Amos could produce the prettiest programs though.

Oops. The above motor controller (and all others I've seen) plug into the parallel port – which is where most digitisers plug in too. The only digitisers that don't are the Datal 'side expansion' type, and they're not very good and they don't multitask. Meta-programming time....

Q What's meta-programming?

A Much the same as programming, except you write a program that controls other programs. It's not the same as pure programming, because you only care about what a program produces and how to control it, rather than writing a program. Typically you use an Arexx script, although Shell is better for multi-tasking situations.

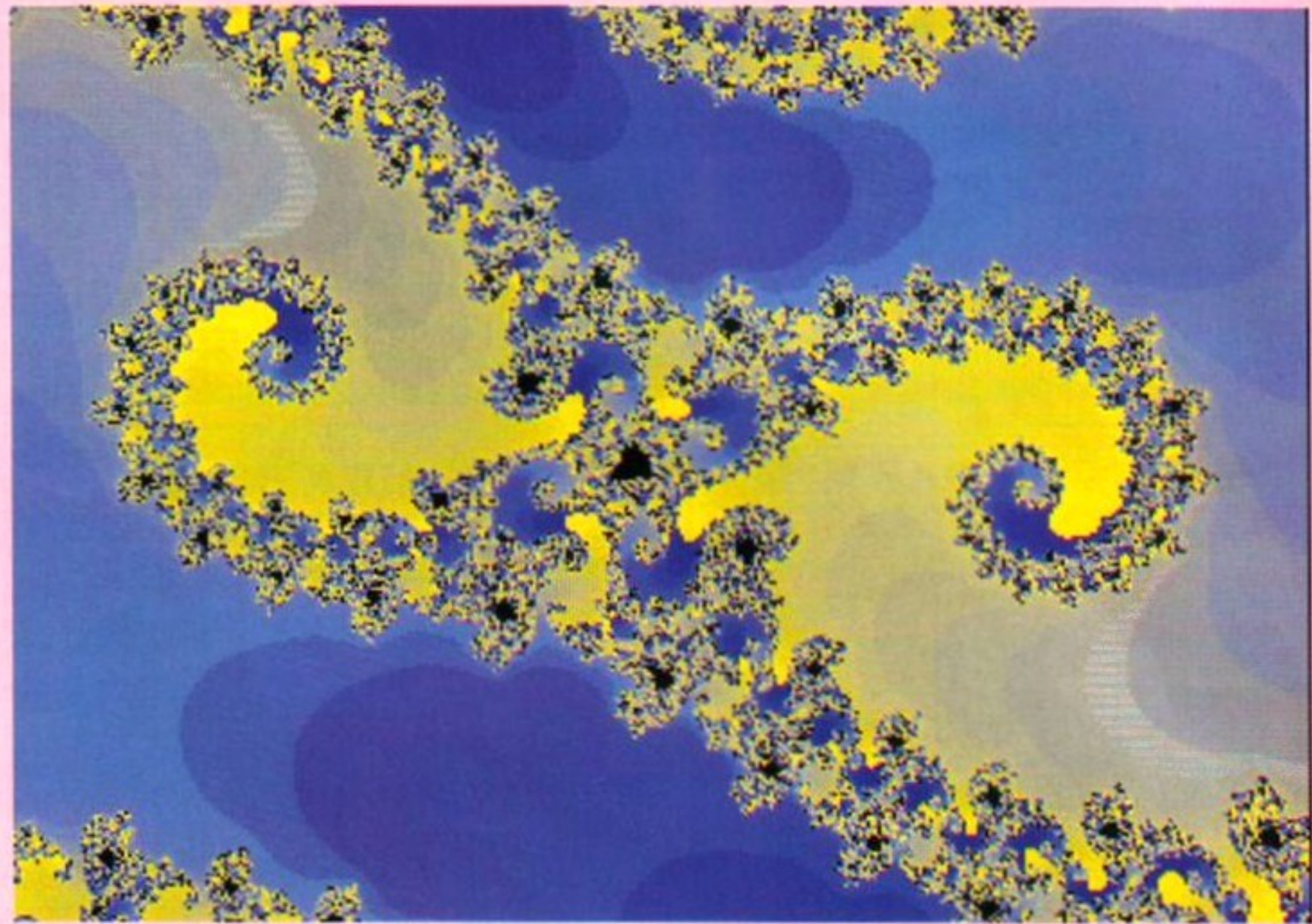
Imagine a situation where you want to digitise a sequence of camera shots, but where you are actually controlling the camera angle with a different program. You want the final result to be an animation, not a sequence of shots.

In Arexx, you write a script to start up the camera control and digitising software, move the camera to the first position, and digitise. The picture is saved to a file, and the camera moves off again. Now you have a choice, you can either do all the frames, or add the pictures together as you go using a utility like *Build anim*.

In Shell, you would do something similar, although it would be much longer and clumsier. Every time you wanted a program to do something, you would have to run it, then close it down. You would need a large number of utilities to maintain it. It would be very slow. Debugging would be very tedious. But the nice thing about meta programs is, when you have got them right, you can happily leave the computer to it.

Sure you want to do this project?

In-depth explanation No 8: Fractals



In the same way that many grains of sand make a mountain, so fractals are constructed from building blocks which bear some resemblance to the overall shape. To put it another way – how many different spirals can you see in this picture? The correct answer certainly doesn't fit on a postcard.

1 Fractal is short for fractional dimension. The human mind lives in a three-dimensional, solid, filled-in world. Fractals are born in higher mathematics, which can deal with worlds and planes where the dimensions are not always solid units. The only way we can look at a fractal is to see a picture drawn on a monitor or TV.

2 The bloke generally credited with the discovery of fractals (he invented the word) is Benoit Mandelbrot, a world-famous mathematician. His fame grew with the computer age, because he couldn't do a lot except type and write until computer colour graphics were invented. Remember, good graphics = good fractals.

3 That's only half the story though. Mandelbrot spent years running programs through powerful mainframe computers and analysing the results. Fractal programs can be very small – 30 lines of BASIC is ample to see a result. However, they are recursive. This means they have to loop and loop and loop to build up a picture. Remember, powerful computers = fast fractals.

4 The whole point about fractals is that they can closely model some parts of nature. Clouds, sun flowers, DNA and many other natural phenomena can be accurately drawn, with near infinite variation. Scenery generators like *Vista* use fractals to draw landscapes of mountains, hills and rivers.

5 The trouble with fractals is that they are heavily maths based, which naturally puts people off. Books on fractals usually use lots of calculus to explain the theory. However using fractal generating programs is a damn sight easier and more fun than writing the program.

6 So what can you get? *Maths Vision* is one of the more noteworthy releases to date. It draws pretty natural fractal pictures for use in titling or theme shots, and more importantly can generate 24 bit images for commercial cable or broadcast TV.

7 You don't have to break the bank to see good results. The shareware *Scenery Generator* is but one of a host of PD fractal generators. A sad thing that most of them just draw Mandelbrot sets. One other noteworthy title to watch out for is *Mandel Mountains*, by Matthias Ortmann.

8 There's loads of potential for fractals in computer games. *Midwinter* and *Flames of Freedom* both used a fractal map, which could be zoomed in on. In theory, using fractals inside computer games leads to bigger games, as a program to draw a picture is much smaller than the picture it draws!

9 The lightest reading matter that I can recommend to get some insight into fractals is *Chaos* by James Gleick (published by Cardinal). Although of a general nature, it is a fairly easy read, but needs a little pondering over once in a while. In a similar way to *A History of Space and Time* by Stephen Hawkins.

10 The Fractal Geometry of Nature by B Mandelbrot (which is published by WH Freeman) is a much meatier affair, with programs, theory, mind blowing bits and generally a helluva good read. The book *Fractals Everywhere* by Michael Barnsley ISBN 0-12-079062-9 is for the really serious student who wants a course on deterministic fractal geometry. Hope you know some calculus.

FED UP WAITING?

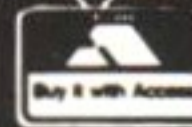
JUST ADD £2.00 TO YOUR TOTAL
ORDER FOR A GUARANTEED
NEXT DAY DELIVERY TO YOUR DOOR

(*ORDERS MUST BE PLACED BEFORE 3.30pm excluding Weekends)



COMPUTER MATES (UK) LTD.

Fastest
Mail Order Company
on Earth



CHEQUE/POSTAL ORDERS TO:
COMPUTER MATES (UK) LTD.
PINWOOD STUDIOS, IVER HEATH
BUCKS, SLO 0NH
TEL: 0753 553535 (3 Lines) FAX: 0753 553530

ALL PRICES INCLUDE V.A.T & DELIVERY

MITSUBISHI BRANDED DISKS

BOX/10	5.25 (360K)	5.25 (1.6 MEG)	3.5 1 MEG	3.5 2MEG (1.44)
	5.00	7.00	7.00	12.00

LOOK GREAT DEALS ON MITSUBISHI 3.5"

5 BOXES MF2DD (50 DISKS)	ONLY 26.00
10 BOXES MF2DD (100 DISKS)	ONLY 50.00
5 BOXES MF2HD (50 DISKS)	ONLY 45.00
10 BOXES MF2HD (100 DISKS)	ONLY 88.00

+ 20% OFF ALL STORAGE BOXES WITH ABOVE DEALS

**BRANDED DISKS
"PROMOTION WHERE
IT COUNTS IN
YOUR POCKET"**

NEW JUST APPOINTED DEALER

GOLD MASTER BRANDED 2 FOR 1 LIFE TIME WARRANTY

	1 MEG MF2DD	1 MEG MF2DD RAINBOW	2 MEG MF2HD	2 MEG MF2HD RAINBOW
1 BOX	6.50	7.50	13.00	14.00
2-5 BOXES	6.00	7.00	12.50	13.50
6-10 BOXES	5.50	6.75	12.00	13.00

Rainbow Colours — White, Red, Green, Orange, Yellow

3.5" MITSUBISHI BULK MEDIA LIFE TIME WARRANTY

	DSDD	DSHD
50 DISKS	£21.00	£32.50
100 DISKS	£40.00	£63.50
200 DISKS	£75.00	£125.50
500 DISKS	£175.00	£295.50
1000 DISKS	£329.00	£580.50

Includes Labels. NOTE: The above disks are based on > 55% clipping level, cheaper disks are available. Please Call.

5.25" BULK DISKS

Packed in 25's with Envelopes, Labels, Lifetime Warranty

	48tpi	96tpi	HD
25 Disks	£8.50	£8.75	£12.00
50 Disks	£16.00	£16.25	£23.00
100 Disks	£28.00	£27.25	£36.00

1000+ PLEASE CALL

QUICKSHOT JOYSTICKS

MULTI-SYSTEM	PRICE	IBM PC/XT/AT	PRICE
QS11A TURBO2	£9.00	QS123 WARRIOR5	£11.00
QS149 INTRUDER1	£25.00	QS120 GAMES CARD	£10.50
QS128F MAVERICK1	£14.00	QS146 INTRUDER5	£25.00
QS155 AVIATOR1	£27.50	QS151 AVIATOR5	£28.00
QS131 APACHE1	£7.00	SEGA MEGA DRIVE	
QS130F PYTHON1	£9.50	QS135 PYTHON3	£9.50
QS127 STARFIGHTER PAIR REMOTE CONTROL	£36.50	QS150 INTRUDER3	£25.00
NINTENDO QS130N PYTHON2	£9.50	QS140 CHIMERA3	£9.00

★ UP TO £3.00 OFF ABOVE JOYSTICKS WITH ANOTHER ★ PURCHASE ABOVE £15.00 ★

COMPUTER MATES BRANDED DISKS

2 FOR 1 LIFE WARRANTY

3.5" DISKS

	DSDD	DSHD	COLOURED DSDD	COLOURED DSHD
50 Disks	£23.00	£35.00	£27.00	£38.00
100 Disk	£45.00	£69.00	£50.00	£75.00
200 Disks	£85.00	£137.00	£90.00	£143.00
500 Disks	£200.00	£325.00	£210.00	£331.00

MICE/TRACKERBALLS

PC/XT/MOUSE	£20.00
PS2 MOUSE	£21.00
AMIGA/COMMODORE	£19.00
ATARI MOUSE	£19.00
ATARI/AMIGA TRACKBALL	£22.00
PC/XT/AT TRACKBALL	£22.00
MOUSE MAT	£2.50
MOUSE POCKET	£2.50
MOUSE STAGE	£10.00
MOUSE MAT HARD	£3.50
PAPER TRIMMER	£5.00

Victory

STORAGE BOXES

3.5" DISK CAPACITY	5.25" CAPACITY	STACKABLE BOXES DISK NAME	CAPACITY	PRICE
140	£11.50	3.5" BANX	80	£12.99
120	£9.50	DUAL BANX5	130/180	£14.99
100	£7.90	3.5" BIMBY	200	£18.99
80	£7.50	5.25" BIMBY5	200	£18.99
50	£6.50	*BIMBY BOXES CAN ALSO HOLD 3", 2.8", VIDEO TAPES, CARTRIDGES*		
40	£6.00	ALL ABOVE BOXES LOCKABE + 2 KEYS		

£2.00 OFF BOXES WHEN ORDERING 100 BULK DISKS OR MORE

3.5" OR 5.25"

10 CAP	£1.50	5 CAP	£1.15	1 CAP	£0.50
--------	-------	-------	-------	-------	-------

CARDBOARD DISK MAILERS.....£150/1000 OR £25/100

SPECIAL OFFERS THIS MONTH

LOOK SAVE YOUR EYES

12" or 14" COLOUR OR MONO FILTER SCREEN
SAVE YOUR EYES..... ONLY £13.99

12" or 14" TILT & TURN WITH HANDY KNOB MONITOR STAND.....£15.95

A4 DESK TOP COPY HOLDER.....£8.00

PRINTER STANDS 5 DIFFERENT TYPES

PRINTER STAND (Feet) 80 OR 132 COLUMN . £8.00

IBM PRINTER LEADS.....£5.00

.....JOYSTICKS ALL MACHINES P/C



DUST COVERS

PX XT, AT+MONITOR	£6.00
12" or 14" MONITOR	£6.00
80 or 132 PRINTER	£6.00
LAZER PRINTER	£6.00
84 OR 102 KEYBOARD	£6.00
TOWER CPU	£6.00

DUST COVERS FOR MOST SYSTEMS PLEASE CALL

CLEANING ACCESSORIES

MINI VACUUM CLEANER	£7.00
HEAD CLEANER 3.5" OR 5.25"	£2.00
MONITOR CLEANING SOLUTION	£3.00
ALL THE ABOVE AND MORE	£11.00
3" CLEANING KIT	£3.00

LABELS 5.25" or 3.5" (5.25 with W/P)

100	£1.00	1000	£8.00
-----	-------	------	-------

Single or Multicolour Available

DATA SWITCH BOXES

CENTRONICS OR SERIAL	
2 WAY	£15.00
4 WAY	£20.00
DATA SWITCH LEADS	£8.00 each

COPY HOLDERS

A4 DESK TOP Angle Poise	£15.99
A4 ANGLE POISE G-Clamp	£15.99
A4 DESK TOP	£8.00
PAPER CLIP Monitor Side	£9.00
PAPER CLIP Monitor Top	£5.00

KEYBOARD DRAWER + MONITOR, & CPU STAND	£26.99
80 COLUMN MAGNIFYING RULER	£3.00
PRINTER MULTI-FORM FEEDER	£16.00

LOOK VIDEO TAPES E180 LIFE TIME WARRANTY

3 HOURS — 10 FOR £20, 50 FOR £90

**FOR COLLECTIONS VISIT OUR NEW SHOP AT
675 HOLLOWAY RD., LONDON N19
OPEN 7 DAYS 12-9 PM**

SORRY! SORRY! SORRY!

WE DO NOT PRICE MATCH BUT WE DO GIVE QUANTITY DISCOUNT, WITH SERVICE, QUALITY AND BACKING FROM THE LARGEST DISK MANUFACTURERS IN THE WORLD. IN ADDITION OVER 200 LINES OF PERIPHERALS IN STOCK. ASK FOR OUR COLOUR CATALOGUE & PRICE LIST WITH YOUR ORDER OR SEND 24p S.A.E.

**CALL SAM OR PAT NOW
ON 0753 553535**

DATA CARTRIDGES

DC300A	£17.05	DC6320	£24.00
DC300XL	£17.50	DC6525	£28.00
DC300XLP	£15.50	DC1000 10MB	£16.50
DC300EXL	£18.70	DC1000 20MB	£16.50
DC600A	£15.50	DC2000	£13.50
DC6150	£17.50	DC2080	£16.50
DC6250	£24.00	DC2120	£16.50

QTY DISCOUNTS: PLEASE CALL OR FAX

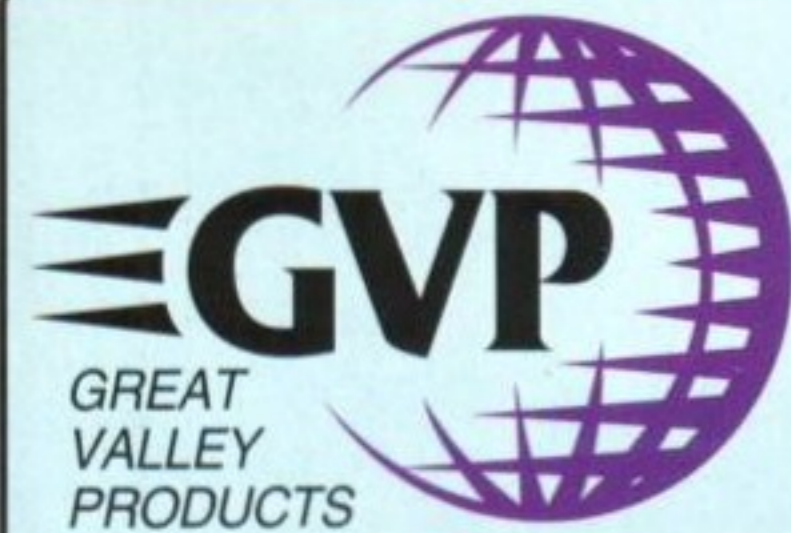
RETAIL PACKED BLUE BOXED DISKS

ALL BLUE BOX DISKS ARE COMPLETELY PACKAGED IN BLUE PRINTED CARDBOARD BOXES WITH LABELS 100% GUARANTEED FOR LIFE.

3.5" 720K-880K	3.5" 1.44 MEG	5.25" DISKS	
MF-2DD 10'S 1 MEG	MF-2HD 10'S 2 MEG	M-2D 48TPI 360K	
1 BOX	£5.00	1 BOX (10)	£4.00
MF-2DD 30'S 1 MEG	MF-2HD 30'S 2 MEG	M-2DD 96TPI 720K	
1 BOX (30)	£14.00	1 BOX (10)	£4.75
BAMBI-2DD 1 MEG	BAMBI-2HD 2 MEG	M-2HD 1.6 MEG H/D	
25 DISKS IN 25	25 DISKS IN 25	1 BOX (10)	£5.00
CAPACITY STORAGE BOX	CAPACITY STORAGE BOX		
1 BOX	£14.00	1 BOX	£21.00

10% DISCOUNT GIVEN ON 10 BOXES OR MORE

FED UP WAITING? ALL ORDERS ARE NORMALLY DELIVERED TO YOU WITHIN 48 HOURS



QUALITY AMIGA PERIPHERALS WITH A 2 YEAR WARRANTY

Silica Systems are pleased to present the GVP range of peripherals. GVP are the world's largest third party manufacturer of peripherals for the Amiga range and have a reputation for high specification, quality products. The company was founded only four years ago by a man who knows about the Amiga, Commodore's ex-Vice President of Technology. He, along with a team of Amiga experts including other ex-Commodore staff, understand the add-on requirements of Amiga owners better than anyone. Not only do GVP provide peripherals that Amiga owners want, they also offer peace of mind, with a 2 year warranty on the products they manufacture. So, if you are looking for the very best in peripherals for your Amiga computer, look no further than GVP.

FREE BROCHURE
RETURN THE COUPON FOR YOUR COPY

PC EMULATOR PLUG-IN OPTION FOR HD8+ & A530



- 16MHz 80286 processor
- 287 Maths Co-Processor socket
- 512K of PC RAM plus the use of Amiga RAM
- Supports Hercules, CGA, EGA/VGA (monochrome) and T3100 video modes
- Runs MS-DOS (3.2 and upwards) plus thousands of other PC programs

This powerful 286 emulator module simply plugs into the "mini-slot" of the GVP HD8+ or A530 (without invalidating the warranty). It has full access to the Amiga's resources and allows you to run PC and Amiga programs at the same time, giving you two computers in one.

£199
Ref: EMU 0500

AMIGA PERIPHERALS

GVP's HD8+ hard drive and A530 hard drive with 40MHz accelerator, represent the highest quality Amiga 500 peripherals, at very affordable prices. Each incorporates a fast action hard drive, RAM expansion capability, custom VLSI chip and FaaASTROM SCSI driver, for unbeatable performance.

The HD8+ hard drive offers up to 8Mb of standard internal Fast RAM expansion and the A530 Combo, up to 8Mb of 32-bit wide fast RAM expansion. Both feature a SCSI controller, which supports up to 6 additional devices, and an Autoboot/Game cut-off switch. Both are available in 52, 120 and 240Mb hard drive versions.

In addition, the A530 Combo zooms the Amiga forward with an 030 accelerator, running at a blistering 40MHz. This enables your Amiga 500 to run at an incredible 12.1 MIPS, faster than an Amiga 3000! No other product in the world combines all the features found in the A530 Combo! A plug-in PC emulator option, shown below, is available for the HD8+ and A530 Combo.

NEW LOW PRICES
ON MOST PRODUCTS
EFFECTIVE 1st SEPT 92



	HD8+	A530
HARD DRIVE		
SCSI HARD DRIVE	•	•
52, 120 & 240Mb VERSIONS	•	•
ULTRA FAST 15ns ACCESS	•	•
TRANSFER RATE UP TO 2,100K/SEC* (*THE RATE OF THE 240Mb HD)	•	•
ACCELERATOR		
40MHz 68030EC CPU	•	•
OPTIONAL 68882 MATHS CO-PROCESSOR	•	•
RUNS AT 12.1 MIPS (FASTER THAN AN A3000!)	•	•
HARDWARE SUPPORT TO MAP KICKSTART INTO 32-bit WIDE FAST RAM FOR FASTER OPERATION (LIKE CACHING THE OPERATING SYSTEM)	•	•
RAM BOARD		
UP TO 8Mb OF 8 OR 9-bit FAST RAM (8 OR 9-bit WIDE SIMMS - 120ns OR QUICKER)	•	•
UP TO 8Mb OF 32-bit WIDE FAST RAM (32-bit WIDE SIMMS - 50ns)	•	•
1Mb POPULATED	•	•
OTHER FEATURES		
HDD/ACCELERATOR CUT-OFF SWITCH FOR 100% GAME COMPATIBILITY	•	•
SCSI CONTROLLER FOR UP TO 6 ADDITIONAL DEVICES	•	•
VLSI CUSTOM CHIP	•	•
FAAFAST ROM SCSI DRIVER	•	•
IDENTICAL COLOUR & STYLING TO THE A500	•	•
BUILT-IN VENTILATION FAN TO PREVENT THE UNIT FROM OVERHEATING	•	•
DEDICATED POWER SUPPLY	•	•
"MINI-SLOT" FOR FUTURE EXPANSIONS (E.G. PC EMULATOR)	•	•
REMOVABLE MEDIA SUPPORT	•	•
DIRECT MEMORY ACCESS (DMA) STYLE FOR ULTIMATE PERFORMANCE	•	•
EASY-TO-USE SOFTWARE	•	•
2 YEAR WARRANTY	•	•



WHAT THE PRESS SAY:

'Superb build, excellent aesthetics and blinding speed make this the best A500 hard drive' ...
AMIGA SHOPPER (HD8+)

'GVP claims this is the fastest hard drive in the world and none of our tests could prove that wrong ... Untouchable. THE choice'
AMIGA SHOPPER (HD8+)

'Still the best hard drive' ... 92%
AMIGA FORMAT 11/91 (HD8+)

'GVP have done it again!' ... 94%
AMIGA FORMAT 9/92 (A530)

'... the build quality is excellent ... in terms of performance, their gear is the best ... their equipment is worth every penny.'
AMIGA FORMAT 9/92 (A530)

PLUG IN HARD DRIVES & ACCELERATORS

PRICES FROM:

£349

MODEL	52Mb HD	120Mb HD	240Mb HD
HARD DRIVE HD8+	£349 Ref: HAR 0852	£449 Ref: HAR 0920	£729 Ref: HAR 0942
A530 COMBO HARD DRIVE & ACCELERATOR	£699 Ref: HAR 0962	£799 Ref: HAR 0974	£1079 Ref: HAR 0986

FOR ALL AMIGAS



SOUND SAMPLER

- 8-bit stereo sampler
- Plugs into parallel port
- MIDI support for song input
- Extensive editing features

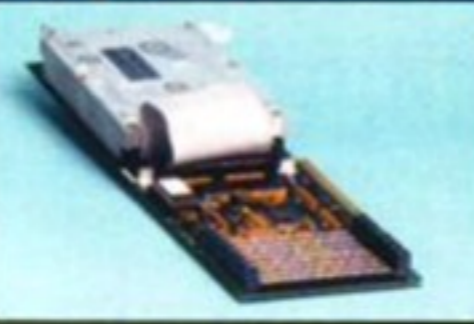
For the semi-professional and audio hobbyist a high quality 8-bit stereo sound sampler that connects into the parallel port on any Amiga 500, 600, 1500, 2000 or 3000 computer. Combined with one of the fastest, most powerful and easy-to-use sound and music editing programs available. Includes 4-track soundtracker file compatible sequencer.

MUS 2500 **£49.95**

AMIGA 1500 + 2000 + 3000 PRODUCTS

	030 25MHz	030 40MHz	030 50MHz	NEW! 040 33MHz
Processor	68030EC	68030EC	68030	68040
Speed MIPS	7.48	12.1	15	30
Speed MHz	25	40	50	33
Math co-proc	68882	68882	68882	Built-in
Standard 32-bit RAM	1Mb	4Mb	4Mb	4Mb
Maximum 32-bit RAM	13Mb	15Mb	15Mb	15Mb
Extras	SCSI	SCSI	SCSI	SCSI SerPar
Code	UPS 0110	UPS 0420	UPS 0520	UPS 0140
PRICE	£599	£849	£1199	£1699

All GVP G-Force accelerators can be turned into a hard card by adding a Mount Kit, GVA 4251, £39.95, making it the ULTIMATE Amiga 1500/2000 peripheral. Any 1" SCSI drive can then be mounted on to the accelerator.



HARD CARDS

- Factory installed Hard Drives
- 0, 52, 120, 240 & 420Mb options
- On-board 8Mb memory sockets
- Add up to 6 SCSI devices
- Easy to install SIMMS

The Impact II HCS hard cards are the equivalent of the HD8+ hard drive, but for the 1500 and 2000 models. Not only are they some of the fastest hard drives available, but they also incorporate an unpopulated 8Mb RAM expansion board.

52Mb Ref: HAR 1252 **£299**
120Mb Ref: HAR 1420/1422 **£429**
240Mb Ref: HAR 1540 **£699**
420Mb Ref: HAR 1542 **£1099**



VIDEO ENHANCER

- 16 million colours @ 768 x 580 PAL Res
- Supports comp video, S-VHS & RGB
- Broadcast quality genlock
- Now with RGB splitter

Impact Vision 24 is the latest 24-bit Professional Video Adaptor. It features 16 million colours on screen at once, built-in genlock, flicker fixer, frame buffer, frame grabber and digital keyer. Supplied with Caligan-IV24 3D modelling and rendering software, Scala IV24 video tiling software, plus Macro Paint 24-bit paint package. A1500/2000 requires additional adaptor, GVA 5224, £49.95

IV-24 - VIU SPLITTER Ref: VID 7024 **£1499**
IV-24 - VIU TRANSCODER Ref: VID 7124 **£1899**



RAM BOARDS

- Up to 8Mb of FAST RAM
- Upgrade in 2Mb increments
- Supports industry standard RAM chips
- Diagnostic software included
- Fully auto-configuring

The RAM-8 offers an easy way to upgrade your 1500 or 2000 in 2Mb increments up to 8Mb. The RAM 8 is fully auto-configuring and is supplied with peace-of-mind diagnostic software. 6Mb configuration supported for bridgeboard owners

0Mb populated RAM 2800 **£99**
2Mb populated RAM 2802 **£149**



REMOVABLE MEDIA

- Syquest 44 or 88Mb removable media
- Available with or without HCS Controller
- 20ms access time
- GVP HCS Controller option extra
- External case available for A500/3000

Each drive comes with a removable cartridge.

External Case Ref: Q14 5015 **£179**
44Mb (Bare Drive) Ref: HAR 1034 **£399**
44Mb (+HCS) Ref: HAR 1038 **£479**
88Mb (Bare Drive) Ref: HAR 1070 **£499**
88Mb (+HCS) Ref: HAR 1074 **£579**

ALL PRICES INCLUDE VAT - DELIVERY IS FREE OF CHARGE IN THE UK MAINLAND

SILICA SYSTEMS OFFER YOU

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** Team of technical experts at your service.
- **PRICE MATCH:** We normally match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 14 YEARS:** Proven track record in professional computer sales.
- **£12 MILLION TURNOVER (with 60 staff):** Solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts available 081-308 0888.
- **SHOWROOMS:** Demonstration and training facilities at our London & Sidcup branches.
- **THE FULL STOCK RANGE:** All of your requirements from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with offers + software and peripheral details.
- **PAYMENT:** Major credit cards, cash, cheque or monthly terms.

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals and software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years and, with our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".

MAIL ORDER HOTLINE
081-309 1111



MAIL ORDER: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX Tel: 081-309 1111
Order Lines Open: Mon-Sat 9.00am-6.00pm No Late Night Opening Fax No: 081-308 0608

LONDON SHOP: 52 Tottenham Court Road, London, W1P 0BA Tel: 071-580 4000
Opening Hours: Mon-Sat 9.30am-6.00pm No Late Night Opening Fax No: 071-323 4737

LONDON SHOP: Selfridges (1st Floor), Oxford Street, London, W1A 1AB Tel: 071-629 1234
Opening Hours: Mon-Sat 9.30am-6.00pm Late Night: Thursday until 8pm Extension: 3914

SIDCUP SHOP: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX Tel: 081-302 8811
Opening Hours: Mon-Sat 9.00am-5.30pm Late Night: Friday until 7pm Fax No: 081-308 0017

To: Silica Systems, AMFOR-1192-68, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX
PLEASE SEND A BROCHURE ON THE GVP RANGE

Mr/Mrs/Miss/Ms: Initials: Surname:

Company Name (if applicable):

Address:

Postcode:

Tel (Home): Tel (Work):

Which computer(s), if any, do you own?

NOVA

COMPUTERS
6 STEELE ROAD
MIDDLEWICH
CHESHIRE
CW10 0RA
TEL: (0606) 737551

OPEN: 10am-7pm Mon-Sun
**PRICES CHANGE
REGULARLY RING FOR
THE LATEST DEALS
FROM NOVA**

Please make an appointment if
you wish to collect your order and
save on postage costs.

**COLLECT YOUR
ORDER AND SAVE
POSTAGE**

AMIGAS

A600 £280
A600 + 20Mb HARD DISK ...RING
A1500 + SOFTWARE£550

PRINTERS

CITIZEN 120D+£125
CITIZEN SWIFT 9£190
CITIZEN PRODOT 9 (inc. col. kit)£205
CITIZEN 224£220
CITIZEN SWIFT 24E (inc. col. kit)£280
All printers include leads
Add £7 for starter kit
(paper, labels + driver disk)
RING FOR DETAILS ON LATEST CITIZEN
PRINTERS

HARD DISKS

A500/A500+
GVP HD8 + 52Mb £325
GVP HD8+ 120Mb£420
GVP PC-286 PC EMULATOR£190
A1500/A2000
GVP HD8+ 52Mb£270
GVP HD8+ 120Mb£395

MISCELLANEOUS

PHILIPS 8833 MK II MONITOR
(inc. lead & GAME)£205
ROCTEC GENLOCK PLUS.....£130
OPTICAL MOUSE£29
1Mb x 9 Simms (inc. P&P).....£30
A600 1Mb and clock (inc. P&P)£52

ALSO AVAILABLE

AMIGA SOFTWARE UP TO 40% OFF RRP
SEGA CARTRIDGES UP TO 20% OFF RRP
WORKBENCH 2.04 UPGRADES
LOWEST PRICES ON FULL RANGE OF
GVP PERIPHERALS

EVERYTHING FOR YOUR AMIGA, JUST RING FOR A PRICE



PRICES INCLUDE VAT.
PLEASE RING FOR POSTAGE COSTS.



We accept payment by Access, Visa, Connect, P.O.'s, Cheque.
(Please allow 10 days for cheque clearance)

Strategic Plus Software

Fast and Friendly Mail Order - Overseas orders welcome.
Phone 081 977 8088 Fax 081 977 4822
28 D&E The Courtyard, High Street, Hampton Hill, Middx. TW12 1PD.

VISIT our SHOP in Hampton Hill or send
£2.50 for our NEW 8th Edition Catalogue

Third Reich

£29.99 by Avalon Hill Games Company

Wizardry VI

Bane of the Cosmic Forge

OFFICIAL CLUE BOOK £12.99 £35.99

DREADNOUGHTS

Due March

From Peter Turcan

Dreadnoughts...(Game).....£31.99
Ironclad Scenarios.....1894-1916.....£16.99
Bismarck Scenarios...WW2.....£16.99

HARPOON Special



Plus

Battlesets 1&2 Amiga £31.99



Harpoon BATTLEBOOK (300+ pages) £ 16.99
Battleset #2 "North Atlantic Convoys" £22.99 import
Battleset #3 "The Med Conflict"£14.99
Battleset #4 "Indian Ocean".....SOON
Scenario Editor.....£19.99

KINGSTON, SURREY

Major dealer for all Amiga products
including CDROM & CDTV

Stockists of GVP Hard Drives &
accelerators. Citizen, Panasonic,
Canon Printers, Philips Monitors,
Tecno Plus range & much more.

We also stock a huge range of
Amiga Serious & Leisure Software

NEW PHILIPS CDI, NOW IN STOCK

BARKMAN COMPUTERS
30 HIGH STREET
KINGSTON UPON THAMES
SURREY
081 546 5941

Analogic Computers (UK) Ltd

ANALOGIC
ANALOGIC
ANALOGIC

Unit 6, Ashway Centre Telephone Mon-Fri 9am-7pm
Elm Crescent Sat 9am-5.30pm
Kingston-upon-Thames **081-546 9575**
Surrey KT2 6HH Tel/Fax: : 081-541 4671

MONITORS

Philips 15" TV/monitor (model 3332), remote control + scart cable£239.00
Philips 15" TV/monitor (model 2331), as above plus Teletext£269.00
Philips 14" TV/Monitor (designer model), remote control + scart cable£255.00

AMIGA DRIVES

1 Meg 3.5" internal£49.95
1 Meg 3.5" external£59.95

ACCESSORIES

Amiga 512K RAM + clock..£24.95
Amiga Plus 512K RAM£34.95
Amiga Plus 1 Meg.....£49.95
Amiga/Atari Squik Mouse .£14.95
Amiga Scart Cable.....£14.95
Rom Sharer£19.95
Mouse Mat£4.95
Dust Cover£4.95
Super Pro Zipstick.....£14.95
Amiga Power Supply.....£39.95
10 Blank Disks£5.95

SPECIAL OFFER Amiga A600 RAM Expansion

1 Meg RAM.....£49.95 1Meg RAM + clock£54.95

AMIGA A500 REPAIRS

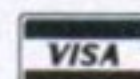
Without diagnostic fees

★ Fixed charges ★ Fast turnaround
★ Many repairs done
while-U-wait

★ We provide pick-up service
for repairs
for only £5.00 + VAT

including NEXT
DAY DELIVERY
by courier
£49.95

* All prices include VAT and NEXT WEEK DAY DELIVERY subject to availability
* Fixed charge for repair does not include disk drive replacement nor keyboard
* All prices subject to change without notice
* We reserve the right to refuse any Amiga repair



HOW TO CONTACT AMIGA FORMAT

You can be certain of getting your enquiry to the magazine dealt with, but only if you make sure you're addressing your letter to the right person or place.

- We can never give personal replies by mail, so don't send us a stamped-addressed envelope.
- We can under no circumstances give personal replies by fax, so please don't ask us to.
- We are available for enquiries by telephone every Tuesday between 10am and 6pm, and we'll be happy to talk to you then.
- Our advertising department can help with problems concerning companies who advertise in the magazine if you phone during normal office hours.
- Our subscriptions service and the **Amiga Format** Mail Order department are not in the same building. They can be contacted on 0458 74011.

WORKBENCH

If you have any problems with the technical side of your Amiga, with hardware or with serious software, Pat McDonald will try to answer you in the mag. Or, if you have any advice for others or any handy tips to share, send it in and you could win a prize.
WORKBENCH, AMIGA FORMAT, 30 MONMOUTH STREET, BATH BA1 2BW

GAMEBUSTERS

If you've just found the cheat mode, mapped out the levels or found all the passwords for the latest game, send the info to Maff and you could win a prize. Or, if you're stuck, ask Helping Hand for advice - or solve someone else's problem and win a prize!
MAFF EVANS, GAMEBUSTERSAMIGA FORMAT, 30 MONMOUTH STREET, BATH BA1 2BW

LETTERS

The letters pages are there for you to air your views and share your opinions: please remember not to ask questions that should be in Workbench! Damien is looking for thought-provoking or entertaining letters, the shorter the better. Prizes given for the best two.
LETTERS TO THE EDITOR, AMIGA FORMAT, 30 MONMOUTH STREET, BATH BA1 2BW

COMPETITIONS

To enter a competition, write the answers and your name, address and phone number on the back of a postcard or a stuck-down envelope and send it in. You can enter as many times as you wish, but all entries must be posted separately: don't put several entries in one envelope together, or include entries with letters to any other part of the mag.
COMPETITION, AMIGA FORMAT, 29 MONMOUTH STREET, BATH BA1 2DL

SPECIAL OFFERS

If you've ordered something from the **Amiga Format** Mail Order section and you've got a problem, please remember that we on the magazine don't deal with it at all. Write to Mail Order at our Somerton address or telephone 0458 74011.
AMIGA FORMAT MAIL ORDER, THE OLD BARN, SOMERTON, SOMERSET TA11 7PY.

SUBSCRIPTIONS

Similarly, if you move house and want to make sure your copy of the magazine catches up with you, then send the new address to:
AMIGA FORMAT SUBSCRIPTIONS, THE OLD BARN, SOMERTON, SOMERSET TA11 7PY.

FAULTY COVERDISKS

The disks are duplicated and stuck on the magazine by a firm we employ for that specific purpose. If you have a faulty disk, send it to them enclosing an SAE. We don't keep stocks of disks, so we can't help.
DISCOPY LABS, UNIT A, WESTMARCH, LONDON ROAD, DAVENTRY, NORTHANTS, NN11 4SA.



Letters

Hello and welcome once again to the bit of the magazine where you get to have a direct say. And, if we're going to be perfectly honest, I get a good chance to make my opinions known as well. Let's take a look and see what issues you lot have been taking an interest in. But just before we do, remember that if you've got any thoughts, ideas or opinions to offer, the address is Letters, **Amiga Format**, 30 Monmouth Street, Bath BA1 2BW. And try to keep it short!

TIPS SCOFF

After praising *Monkey Island 2* so much, why are you determined to ruin your readers' enjoyment of the game? I am referring to the first half of the complete solution in *GameBusters* (*Amiga Format* Issue 38). You could at least give information in a reasonably cryptic form, allowing the reader some sense of achievement at completing the game.

Maybe I'm just nostalgic, but I much preferred the early days of the 8-bit computers when tip-writers gave out information sparingly and only in situations where a player was likely to get permanently stuck.

Daniel Johnston, Stourbridge

Let's face it: either you are going to cheat or you are not: it's all down to you. If you do want to cheat, you want real information, not cryptic hints. If you don't want to cheat, you don't read the tips and cheats in the magazine. It seems pretty simple, really.

*Another important consideration with a game like *Monkey Island* is that the tips inevitably have to be very comprehensive because different people will be stuck on different bits.*

SACK THE MANAGER

I am a keen player of football management games. I would appreciate your advice on the best football management game for the Amiga. Your answer would be gratefully appreciated.

David Pidduck, Broadstairs

*Yet again the Amiga-world mirrors real life: There are very few decent football managers to be had in either. At a push, try Graham Taylor's Soccer Challenge from *Krisalis* for 'realism' or *US Gold's The Manager* for fun. But, if you're like other managers, you might have a problem deciding which one is right for you.*

BETTER DISKS

I just don't know, or can't count, how many art programs and DTP programs you have put on the front of this mag. People might like them but one art program is like them all, so why don't you put something else on the front?

And I have an idea. Every time, on about page 9, you put 'first back up your Coverdisk'. Every time I buy a game I back it up, but it's costing me a fortune in blank disks and I seem to have millions upon millions of disks. so why don't your programmers invent a utility so you can crush three or four games on to just one single disk and make it simple to use?

I'm sure it won't just satisfy me, but millions of people who have the same problem with having too many disks, because all my mates do.

Jamie Wagland, Nottingham

This month's Amiga Format Collection just goes to show that we're trying to bring you as many different kinds of software as possible. Here's a run-down of what we've done to date: fractal landscapes, DTP,

Continued overleaf

Vision On

Got a picture you're proud of? Send it in, see it in print and win an Amiga Format binder! Since Letters is where you get to contribute your words, we thought it would be the perfect place to see your pics on display too. However your image was created, whether you've sketched it in DPaint or generated it with a ray-tracing package, we'd like to see it. Only the best will make it into these hallowed pages. Send your entries on disk in IFF format to The Gallery, Letters, Amiga Format, 30 Monmouth Street, Bath BA1 2BW.



'Butterflies' - JAB, Waterford

HAM painting, multimedia authoring, animation sequencing, CAD, and now a PC-disk-reading utility and a video tiling package. I call that extraordinary variety and it's not all art programs, even though inevitably a lot of Amiga software is creative.

What worries me more is that you seem to be missing the point about backing-up. It is not simply a matter of storing your Coverdisk for posterity. The idea is that you actually use the back-up - then if something goes wrong with the disk, like it wears out through over-use or gets coffee spilt on it, you've still got the original with the data safe and sound.

If you want to store a few programs on a disk, you can do so with the use of an archiving utility such as LHA (as used on this month's disk) or PowerPacker.

CLEVER BOY!



After rushing out and buying the latest *Amiga Format* (Issue 38) as usual, I noticed a mistake. On the front cover it says 'Give your 500 Super Power!', yet the keyboard in the background with a Superman symbol on it is in fact an A600 keyboard.

Was this a deliberate mistake? Do I get a prize for having such sharp eyes? Did anyone else notice?

Keep up the good work, your magazine is great and the only one I ever buy.

Nicholas Howell, Margate

Over the art editor Marcus: 'Definitely deliberate, I mean I knew it wasn't an A500, it said A600 on top of it for a start, and it was small and cheese shaped. But we firmly believed nobody would be smart enough to spot the difference and you, Nick, are the FIRST of 160,000 A500 owning readers who spotted it. A prize? Yes I think a prize or two is well in order.'

You've won... an *Amiga Format* T-shirt, a garden gnome, three plastic native-Americans, the photograph we scanned for *Amiga Format* Issue 27' cover and two free tickets to the *Future Entertainment Show*.

Do any of the rest of you have any observations about deliberate errors we may or may not have made in the last few issues? Send them into the usual address and we'll see how far the largesse extends.

AND NOW... THE ADS

I read with great interest your September news report 'Product Placement: the ad cash rolls in'. Just recently many people have been concerned over whether software developers will continue to produce many good quality games for the Amiga when they could make more producing cartridge games.

The home computer is becoming more and more of a popular medium today and is starting to slowly edge television out as the most popular medium. So it makes sense to do what television has been doing for as long

as I can remember. Advertisements! I know that like many others I spend much more time on my computer than I do watching TV as I find television boring.

Some may argue that corporate sponsorship will produce lower quality programs, but most likely the opposite will occur. Game developers will have to compete with other software houses to get the best corporate sponsorship and the most cash. With this sponsorship they won't have to worry about whether or not their game sells large amounts and will be able to splurge a bit.

Of course problems will always come up between the software company and corporate sponsor, but nothing I'm sure won't be worked out.

The sponsor will benefit from this too. First, it will be able to target certain audiences by the type of software and put the appropriate ads with that knowledge. Also, even if many of the program copies are pirated, just as many people will see the advertisement as if each copy was acquired legally and lastly it could possibly reduce the price of games due to the sponsorship.

I know that many people get sick and tired of commercials on television let alone on a computer game, but, hey, if it saves the computer industry I'm all for it. Could it be the saviour of the computer games industry? Only time will tell.

Brad Arndt, Ontario, Canada

Interesting. But paying for ad time would be a bit of headache, as would picking the right product - you wouldn't want to your fish finger product to be advertised along a popular character such as James Pond. As for the potential drop in price because of sponsorship, I can't see it myself.

ROM NOT SAFE

I'm sorry to be the harbinger of misery and all that but Stephen Crofts' letter on ROM cards piracy was not entirely wide off the mark. The current rumour on the street as far as pirates are concerned is that ROM cards, complete with on-card hardware protection, are not going to be that much of a problem.

Over the past year or so I've seen a cracked copy of the original Action Replay cartridge, *CDTV Lemmings*, and *CDTV Sim City*, so ROM-Card software, though I hate to admit it, looks like going the same way. Even *Robocop III* was doing the rounds while the programmers were telling you how chuffed they were with the dongle protection code.

Possibly the only way forward is to use CD-ROM to its maximum potential. With 500+Mb on every CD-ROM I can't see anybody wanting to waste that many blank disks on a single game, for this reason alone it looks like *CDTV Trivial Pursuit*, on two CDs, will never be pirated. Even hard disk owners would be unwilling to give up so much room for just one title, no matter how pretty the pictures are.

ROM cards, however, with their 4Mb overhead (unless I've missed something somewhere) are just ripe for copying. After all, if the number of disks denoted a game's worth, then *Monkey Island II*, *Heimdall*, *Willy Beamish*, *Guy Spy* and a host of others would never have made it off the starting block in the first place.

Looks pretty bleak, doesn't it? Is this why Commodore are anxious to promote CD technology, to keep their machines alive? Full marks to the producers of *CDTV Trivial Pursuit* for producing a program that is not only uneconomical to pirate but shows off CDTV to it's fullest. I'm waiting for the day when a CDTV title makes it into the top 30, and as soon as it does, I'm selling up and buying one for myself.

Finally, back to Mr Crofts' letter, cards on the consoles most definitely ARE piratable, so how long before the console market starts suffering the same piracy problems as everybody else?

Anon

Essentially, all I have to say to this letter is that you are quite right. Add in the fact that CDs are enormously cheaper to make than cards and you soon see that CD is the way to go. It could be as soon as this time next year that all new games are published on CD. Which is going to make next year very, very exciting indeed.

SPEED DEMON



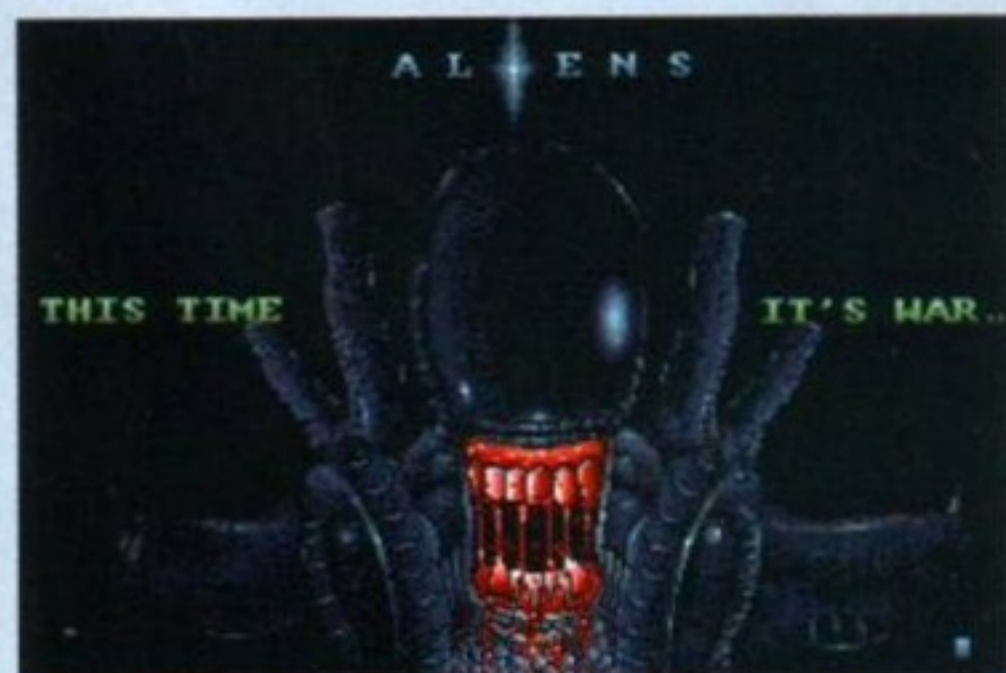
Forget about the 68020. This chip was obsolete years ago. It offers little improvement over a 14 MHz 68000 (in terms of speed) and is almost as expensive as a 68030. Commodore will not be producing any Amigas with this chip (I hope).

Outright, your best current value in accelerators for a 2000/1500 is a GVP G-Force 40MHz. This board comes with a 68030/68882 with 4 megs of 32-bit RAM (expandable) and a fast SCSI controller. As of August, it's being sold for an incredible price of \$999 (£625) by various mail-order houses in the US. A500 owners should look into a GVP A530 - it has similar laudables (and no, I'm not a GVP employee).

Finally, and most importantly, all you guys at *Amiga Format* and in the British programming community seem ignorant of some basic facts about what drives the sales of accelerators.

In answering a question about why flight simulators don't take advantage of accelerated Amigas, you answered 'because there aren't that many accelerators out there'. This is correct, but misses the point. It is the program that takes advantage of a 68030 which creates the sale of accelerators. Do you think the reason why so many IBM '486 machines are being sold is to make

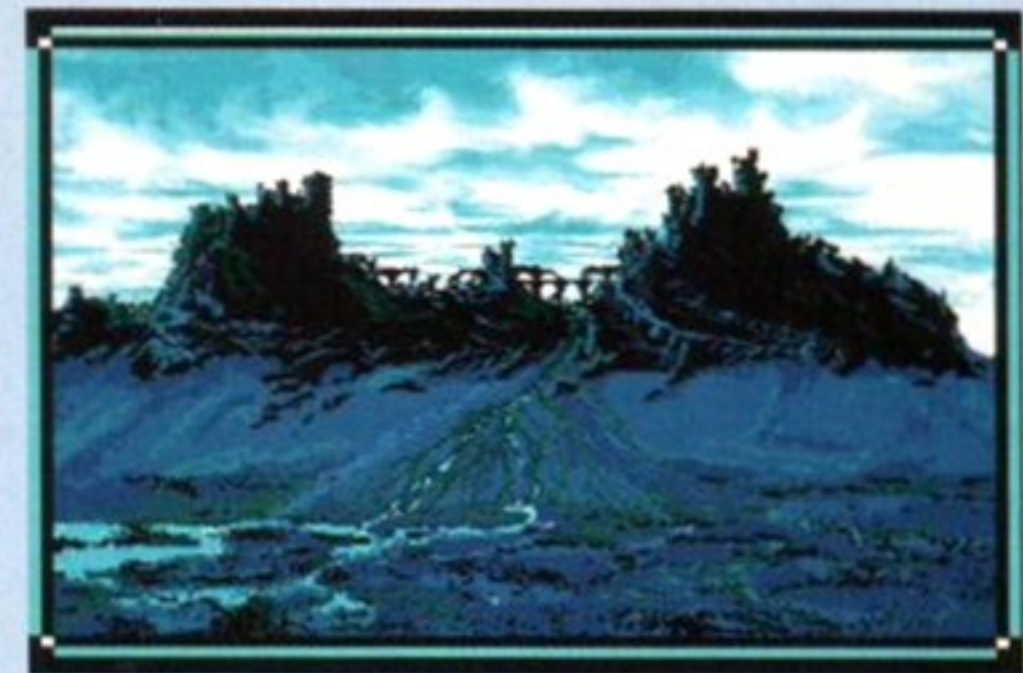
Continued overleaf



'Aliens' - Martin Revell



'Marble' - Ben Peters, Sheffield



'Night Ruin' - Nigel Hunter, Loughborough

MARKETING FORCES (1)?

Saddest sight of 1992? It had to be yesterday whilst visiting my local branch of Dixons Photographic.

I was met with the curious sight of the new Commodore A570 CD-ROM Drive sitting next to... the Amiga 600!

Neither of these new products being compatible with one and other – yet being displayed together! Don't blame Dixons, they only show what they stock. No, blame... Commodore Marketing. For only they could release a new product for a machine which you can't buy anymore.

With this sort of 'retail strategy' then, is it really any wonder why prospective new customers are confused? And consequently, why Amiga sales figures are 'below optimum potential'? All foreseeable. All avoidable.

Ho hum!

Bruce Turner, Ripley

MARKETING FORCES (2)?

The marketing department of Commodore must be extremely clever (and the Amiga buyer very stupid) or they could end up with a lot of egg on their faces and a whole lot of hardware left in storage. How can they expect to sell the A570 CD-ROM in appreciable numbers before Christmas after just robbing the original A600 buyers of £100 within a couple of months of its release by dropping the price?

After waiting nearly a year for the A570 to hit the market, I for one will now be waiting until after Christmas before waiting for a price cut. Commodore proved with the A600 price cut that they will rip us off given half a chance. These are not the moans of an early A600 buyer but of one of last year's A500+ owners.

PS: There should be more CD software (or is it hardware?) available after Christmas.

Mark A Davies, Thornton-Cleveleys

Far be it from this humble journal to come to the defence of a multi-national

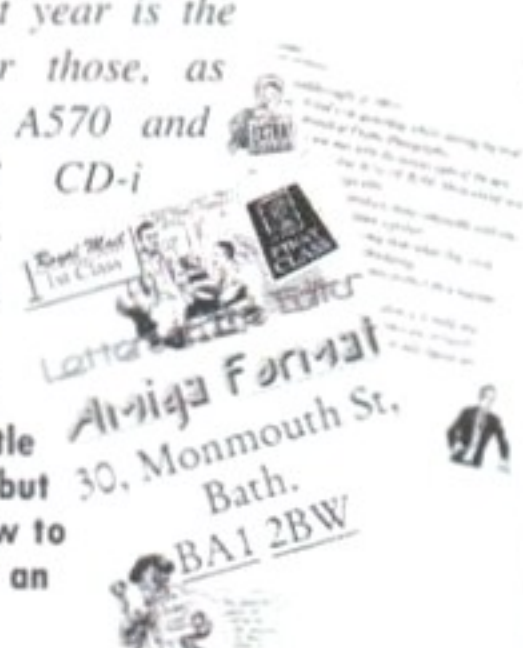
corporation such as Commodore Business Machines which, to be frank, has made a few cock-ups in its glorious history. But it does appear that the anger and bemusement being expressed by at least one of these letters is more than a little misplaced.

Consider, if you will, what the outcry would have been from the million-Plus A500 and Plus users had Commodore not put the long-awaited A570 CD-ROM drive on sale in Dixons Photographic (I assume you mean the one in Alfreton) or, more catastrophically Dixons er... Dixons? Just because the A600 is on sale and the A500 is no longer with us in a retail sense, does not mean that owners of the great old machine don't want to upgrade to make use of CD-ROM. And, as a side issue, Dixons also make the decision what to stock as well as how to stock it.

The second letter does pose a few more problems if, as Mark says, he (and we would assume many other people) will be waiting until after Christmas for a price drop. It does suggest that Commodore are losing ground on the reputation that the Amiga has helped to make for them. The £100 drop in the price of the A600 caught us all off balance – although I can't agree that it is a rip-off, it smacks far more of cock-up and a misreading of the popularity of the machine than of conspiracy. And it certainly is not robbery. What it is, is sad on two counts. Firstly, because Commodore are trying to show an open face to the rest of the world after a long, long time; secondly because people seem to be mis-reading this as two-facedness.

As for the CDs (software), as far as I know, next year is the big one for those, as CDTV, the A570 and A690, and CD-i start fighting in anger.

Mr Turner of Ripley – a little off the mark but he knows how to use DTP with an Amiga.



Next month – buy buy!

AMIGA FORMAT 41, DECEMBER 1992

DO NOT FORGET! Get down the shops for your copy on Thursday November 12th, or you could miss it!



ONE VERY SPECIAL ISSUE FOR EVERYONE WITH PRESSIES IN MIND

We don't dare say its name yet, but let's face it – THAT time of year is just around the corner. Yes, that time when we all eat far too much, watch appalling television for about twenty-three hours of the day and – yes! – we get pressies! Lots of luvverly pressies!

Which means, for all us Amiga fans, just one thing. It means bonanza time for our Amigas. It means spanking new hardware, more power to our elbows, new areas of software to be explored, and lots of great new games to play. Let me at it!

But wait! There's one problem! What to put on our lists? What to ask for from over-generous aunts and uncles, mums and dads, mates and pals? What to buy for Amiga-obsessed friends and relations? It will be too late before you know it!

Well, in a seasonal spirit of utter greed and self-interest, the December issue of *Amiga Format* will answer all the questions about what to buy or what to ask for for a present this... erm... 'holiday season'. And you'll be able to get your mitts on this essential guide on November 12th... just in time!

BUYING POWER

A full run-down of the ideal set-ups and the best hardware money can obtain – especially if it's not your money! Plus, for prospective Amiga owners, a beginner's guide to the models, the packs and the option available.

SOFT OPTIONS

If you had £200 to kit your Amiga out with software, what would you get? And if you had £1,000? We explain the exciting software options to suit all pockets.

GAME OF THE YEAR – THE CONTENDERS

Which are the games that are competing for the coveted Christmas Number One position? Which of the new Autumn releases will be worth buying? Are this year's games the best ever crop for the Amiga? All this and more...

ANOTHER COMPLETE COVERDISK PACKAGE

As ever, we don't yet have final confirmation of what it's going to be, but we're working away to get another useful and interesting program for you, and it could be worth anything between £30 and £150. What other magazine gives you more?

PLUS MUCH MORE...

Stocking fillers and pocket-money pressies – lots of little gadgets to fill that corner or stretch your limited pockets. We'll also be taking a look at classic games that you can buy for as little as £2 or £3. And win, win, win as we give away four amazing Miracle piano-teaching systems from Mindscape. Yet this is just the start!

Note: contents list is subject to change at last minute



'Saab' – Martin Revell



WordPerfect scroll the text just that much faster? No, it's because games are being made that take advantage of such speed. *Falcon 3.0*, *Ultima UnderWorld* and *Wing Commander II* are currently responsible for probably 50% (conservative) of the sales of fast IBMs.

I guarantee, that if a spectacular Amiga flight sim (British, of course) with an option for realistic terrain (possibly Gourad fractal polygons) came out, the fantastic screen shots in *Amiga Format* of planes flying through valleys combined with a UK mail-order house that won't overcharge on those GVPs would increase the installed base of accelerators tenfold.

David Leonardo, USA

You're quite right about the 68020 - though a lot of speculation has suggested that a more powerful low-end Amiga could use this chip, I'm inclined to agree that it is effectively a dead chip when the power-price ratio of the other chips in the range is considered.

And for the rest of your argument, I believe we're on precisely the same wavelength although we did put the argument the other way around. However, I don't believe the argument is any longer about the purchase of accelerator cards for Amigas that already exist. The question is, what sort of power will the new range of Amiga provide and how will games programmers take advantage of it?

Indeed, we can expect some pretty exciting games. Texture-mapped and Gourad-shaded 3D is an inevitable development, which is going to make the games of the very near future pretty exciting. If you don't know what we're talking about, dear reader, just imagine a flight sim where the ground is detailed pictures of fields rather than just a big, green block and you get some of the idea.

The only danger, for those who crave the enormous potential for beauty and realism of such games, is that processing power is not going to become as cheap as quickly as storage space, with the advent of CD. This means that frame after frame of animation is far more likely to provide the 'new standard' of graphics for 1993 than is real-time calculation. Just wait and see if I'm not right.

In the long term, though, it's more economical for software houses to develop real-time stuff than it is for CD animated games, because they don't have to spend years drawing all the graphics.

HAPPIER

My spirits rose when I read, with interest, the interview with new Commodore UK boss, Kelly Sumner, in the pages of *Amiga Format*, and sister magazine *Amiga Shopper*. I have owned an Amiga 500 for almost two years (previously our household has owned other Commodore machines dating as far back as the PET) and I was losing faith in Commodore because of their constant operating system changes over the past few months. I was even seriously considering switching from my Amiga to a PC system (horror of horrors!) as I considered it to be more "future-proof", until I realised how much I was over-reacting to the situation.

I would like to congratulate Commodore on the reported £100 price drop of the A600, and I am sure that sales of the machine will continue to accelerate thanks to this move. But mostly, I look forward to the introduction of these mysterious new machines and hope that they can keep the Amiga firmly at the top of the home computer heap for a long time to come!

Daniel Spreadbury, Bournemouth.

Ending on an optimistic note: just wait and see how bright the Amiga's future will be soon!

THE GREAT DEBATE THIS MAGAZINE!

And here, once again, is the bit where we take a look at a subject that's been exercising the minds of many letter-writers this month. And, bizarrely enough, this month's most popular topic with all you scribes is *Amiga Format* itself...

Since I bought my first issue of *Amiga Format* (Issue 36), I've been hooked. Each month I travel 24 miles into Northern Ireland to get my monthly fix.

Your Coverdisks are unrivalled, your hardware reviews excellent and your verdicts on products are always spot on. But I would like to make a few pointers. According to your survey results, only 27% of readers like your game reviews. I also feel that your game reviews are some what lacking. Your reviews seem to be shallow. Perhaps you could pinch a couple of reviewers from *Amiga Power*?

By the way, when I do raise the cash, should I buy an A500+ or an A600?

Shane Wilson, Co. Donegal

On your first point, this sounds like an excellent reason to subscribe - even if you save money by hitch-hiking to the shops, you'll still be wasting valuable time that subscribing could save you. Turn to Page 223 to find out what a good idea it is.

The figure from our survey is actually that 23% of people want more game reviews. And, owing to the weird way we did the survey, that's even after taking away from that figure all the people who wanted less game reviews.

As for shallow - well, we don't often do game reviews that stretch for pages, like the games-only magazines do. But if we did, think of all the other interesting stuff you would miss out on. And, of course, you can say just as much about a game in two paragraphs as in three pages, if you're good.

Now, whether to buy a Plus or an A600? That question will shortly be answered for you, because there will be no Pluses left to buy in the very near future. But more importantly than that, the A600 is just as good a machine as the Plus, no matter what the odd, lone voice might say, and in the PCMCIA 'credit card' expansion slot it has the key to the future of expandable computing.

As a regular reader of both *Amiga Format* and *Amiga Power*, could I suggest a re-think on your editorial policy.

In my opinion, you are trying to cover too wide a spectrum of interest in the magazine. I am sure a sec-

tion of your readers purchase the magazine only for the games element and a further proportion only for the 'serious' content.

Consequently, half of your contents are of no interest to your readership at any one time.

Would it not be possible to make one of your publications 'games' and one 'serious' in order to avoid this problem?

I would be interested in other readers' opinions.

Tony Howarth, Sale, Cheshire.

One argument is that this mag sells three times as many copies as any Amiga games mag and is more popular than any other Amiga mag in the world, and we've always believed that this is because we strike the best balance between serious and games stuff.

But, more importantly, we just don't believe anyone is just interested in one area of the Amiga. Just because the main reason you bought the Amiga is games, that doesn't mean you won't want to try your hand at graphics or use it for word processing.

Upon receiving my two binders with which to put some of my *Amiga Formats* in, I proceeded to insert the magazines into the binder.

An hour later I had all the copies I could into the binders but for some strange reason I had two metal spokes left over. Surely since *AF* has increased in size over the years, the binders should also? Or is it some ploy to make everyone buy more binders than is necessary? I think we should be told.

Looking back through the issues, one thing that interested me was the Cyberpunk feature you did ages back. How about doing more features on things not strictly computer-based, but of interest to hi-tech people. Like books and videos, and Claudia Schiffer (schwing!)

Finally, what are those two blokes doing in the subscription page to that women?

Tat Sing Kong, Neath, West Glamorgan

Errm... to be honest, I've never actually tried putting 12 issues in a binder, but we did expand them about a year ago because the magazine was getting fatter all the time.

But to my mind the most interesting thing in your letter is the bit about features. We've always felt that for the most part, an Amiga magazine should only have Amiga-related stuff in it. We still stand by that general brief, but we might try a few 'off the beam' ideas soon. Any suggestions?

Spot the shot 40



Simply identify the game that this small portion of a screenshot is from, write the answer on a postcard with your name and address and send it in to us.

The address is Spot the Shot 40, *Amiga Format*, 30 Monmouth St, Bath BA1 2BW. The first correct entry out of the hat every month will win a fabulous *Amiga Format* T-shirt!



The winner of the Spot the Shot competition from Issue 38 of *Amiga Format* is Connor Maxwell of Dundee, who correctly identified a portion of this very same picture from *Super Tetrax* and wins a T shirt.

AMIGA REPAIRS

Repairs from £23.00 inclusive.

Free registered carrier pickup and return despatch for ultimate peace of mind, anywhere in the UK mainland!

Free diagnostic inspection.

Terms and conditions available on request.

All repairs carried out are covered by free 90 day warranty.

Fast efficient service, average diagnostic and repair time - 24 hours!

Experienced, qualified engineers.

Any upgrade fitting, fixed price £15.00 inclusive.



Business Enterprise Centre, Eldon Street,
South Shields, Tyne & Wear, NE33 5JE.

Telephone: 091-455 4300

Don't waste money buying a new machine, when you can upgrade at these prices!

SYSONS ASSOCIATES

Sole Distributor of Rossmoller Products in the UK

Quality German products at bargain prices with 12 months warranty!!!

HARD DRIVES

	A500/500+	A1500/2000
43Mb NEC	£279.99	£269.99
52Mb Quantum	£319.99	£299.99
105Mb Quantum	£429.99	£419.99
210Mb Quantum	£689.99	£679.99

A500/500+ drives have external colour co-ordinated quality metal cases to improve durability and reduce radio interference. They also have a through port allowing further expansion. All Quantum drives have a 64K cache, improving access times dramatically. All come with SCSI interfaces and are auto-configuring and auto-booting (Kickstart 1.3 & higher). Fully compatible with Kickstart 2. Complete with utility software. * As reviewed in "AMIGA COMPUTING" *
COMES READY FORMATTED - JUST PLUG IN & GO!

ACCELERATORS

Mach-2 for A500/500+ & A1500/2000 68000-16 CPU with 18Kb cache doubles performance. Avoids incompatibility problems associated with 68020/30 accelerators. Also speeds access to chip memory. Socket for co-processor, A2000 version is supplied as a card. Please state model. £129.99

68881-20 Maths co-processor for Mach-2£49.99

Speedy. Doubles clock speed. The low cost method to increase performance. For all models inc A500+£74.99

Turbo XT. Doubles XT bridge board performance£49.99

NEW PRODUCTS

U.K. LAUNCH OF "VIDEO STREAMER" - the low cost method of backing up your hard disk. Store up to 800 Megabytes on a normal VHS tape using your existing video recorder as a tape streamer. Easy to use. Saves on expensive tape streamers & cartridges. No need to waste time with endless floppy disk swapping. Needs no internal fitting - simply connect the hardware to the parallel port. Amiga, PC & Atari ST software available. Any DOS version of software included (state version)ONLY £224.99

MEMORY EXPANSION

1/2MB RAM (A500) with on/off switch & clock, only 43mm in length! Low power 4-chip design, high accuracy clock. Mbit technology£24.99

2Mb RAM (A500) with high accuracy clock. Tops up your CHIP RAM and provides FAST RAM. Works with both FAT (512Kb) & FATTER (1Mb) AGNUS£89.99

1Mb RAM (A500+) Simply plug into trap door to give 2Mb chip RAM. Compact low power, high quality design using the latest ZIP RAMs£45.99

8Mb Board with 2Mb fitted (A1000)£149.99

8Mb Board with 0Mb fitted (A2000)£69.99

4-Megabit technology. Boards may be fitted with either 2Mb, 4Mb, 6Mb or 8Mb. Fully populated with only 16 RAM chips. Compatible with 68020/30 cards (A2630). For each 2Mb, please add £70. Free fitting if ordered with board. For example:

8Mb board with 2Mb fitted (A2000)£139.99

All memory expansions, except the 1/2Mb & A1000 board use latest ZIP RAM allowing a compact, power efficient design, putting less strain on your power supply!

SIMPLE INSTALLATION - NO SOLDERING!

OTHER PRODUCTS

Bootselector, allows use of the other floppy drives for booting. Works with both A500 & A2000£14.99

Virus Trap, fits easily to the external floppy connector protecting all drives from boot block viruses. With on/off switch & indicator. A MUST for security£7.99

KickStart ROM switch. Avoid incompatibility problems. Upgrade now! This board allows you to use both 1.3 & 2.04 ROMs (Excluding ROMs)£14.99

CDTV & AMIGA OWNERS! Connect a keyboard with: IBM AT Keyboard Interface. Allows connection of a high quality, low cost AT compatible keyboard to any Amiga model (A500, 500+ 1000, 1500, 2000, 3000 and CDTV - please state model)ONLY £29.99

SPECIAL OFFER: Mouse/Joystick Autoswitch, use both without unplugging. Save wear & tear on connectors and reduce possible repair bills. FULLY AUTOMATIC. Just connect & forget!£12.99

HOW TO ORDER

Please add £3 p&p. For orders over £100 please add £7 p&p. Cheques and Postal Orders payable to: SYSONS ASSOCIATES. Send to: (Dept AFN), 98 Kenton Lane, Kenton, Harrow, Middx HA3 8UE. Allow 5 working days for cheque clearance. No personal callers please. 12 MONTHS WARRANTY ON ALL PRODUCTS. TECHNICAL SUPPORT: Monday to Friday 1400-1700. TRADE ENQUIRIES WELCOME. Tel: 081-907 2100. Fax 081-909 1876. Prices subject to change without notice. E & OE. All prices include VAT. All goods subject to availability. 16792.

Reach the top with.....

LCL Self-Tuition Courses

World leaders ● Hons graduate/teacher authors ● In educational software charts. ● Excellent reviews ● £5 off total for 2, £10 off for 3.

MICRO GERMAN (Beginners - GCSE & business) **NEW**

Complete course with real speech, adventure game and business letter generator, 24 programs + book and manual. Superb graphics & music. £24

MICRO FRENCH (Beginners - GCSE)

Complete course with real speech & graphics adventure game, 24 programs + a book and a manual. Superb graphics and music. £24

MICRO MATHS (11 years - GCSE)

Best selling GCSE maths course in UK. For ages 11 upwards in 24 program options plus a book and manual. Superb graphics and music. £24.

MICRO ENGLISH (8 years -GCSE)

Complete course taking students from spelling + punctuation to understanding literature, with real speech, 24 programs and a book and a manual. Superb graphics and music. £24.

PRIMARY MATHS COURSE (3-12 YEARS)

Complete course with full screen colour graphics. NATIONAL CURRICULUM (Levels 1-4). 24 programs + a book and a manual. £24.

READING WRITING COURSE

NATIONAL CURRICULUM (A.T. 1-5) 24 program course teaching reading, writing & spelling with a book, manual and voice tape. £24.

MEGA MATHS (A level course)

Step-by-step course of 24 programs + a book and manual. Full screen graphics for calculus £24.

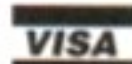
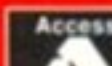
A600, A500 PLUS OR AMIGA
PHONE NOW FOR IMMEDIATE DESPATCH

(*LCL courses are compatible with the N.C where appropriate) Most LCL courses run on most computers (PC, ST, Arc etc.). Send cheques/PO's (+99p P&P) or phone orders or requests for free colour poster/catalogue to:

LCL (DEPT AMF), THAMES HOUSE, 73 BLANDY ROAD, HENLEY-ON-THAMES, OXON RG9 1QB



or ring 0491 579345 (24 hrs)



DATAPLEX COMPUTERS LTD.

129 Bath Road,
Slough,
Berkshire,
SL1 3UW
Tel: 0753 535557

19 High Street,
Old Town,
Swindon, Wilts
Tel: 0793 488448

Prices including VAT

SHOWROOM open:
Mon - Fri
9.30 - 5.30
Saturday
9.30 - 4.30

MAILORDER Consumables add £2.50
Hardware add £9.00 (courier)

AMIGA A500 PLUS (CARTOON CLASSIC PACK)

Includes new A500 Plus with 1Mb RAM, Lemmings, The Simpsons, Captain Planet, Deluxe Paint III

£330 inc VAT

AMIGA A500

Amiga A500 plus games

£289 inc VAT

AMIGA A600

Amiga A600 + Deluxe Paint III + game

£289 inc VAT

Amiga A600 + 20 Mb HD...

£455 inc VAT

AMIGA A1500

new version

A1500 Accounts Plus pack including Puzznick, Toki, Elf, Operation Systems Software, Home Accounts, Platinum Works, Deluxe Paint III + manual

£545 inc VAT

ADDITIONAL PACKS

Amiga A500 Plus Cartoon Classics with 10 extra games£359
A500 Basic Pack (stand alone old version) plus 10 extra games plus Photon Paint plus GFA Basic£299

ACCESSORIES

512K Ram + clock£35.00
1 Meg Ram + Clock£115.00
A500 Power Supply Unit£39.00
Naksha Mouse plus Operation Stealth£29.00
1Mb Upgrade for A500 Plus£49.00
14" screen filter£17.00

MONITORS

Philips CM8833 MK II Colour Monitor + FREE Lead + FREE game
£195 inc VAT
with 1 year on-site maintenance

PRINTERS

Star LC20 Mono£135
Star LC200 Colour (9 pin)£188
Star LC24-20 (24 pin)£194
Star LC24 200 Colour (24 pin)£258
Panasonic KXP1124I£235
Panasonic KXP 1123£185
Citizen 120D +£125
Citizen Swift 24E + Colour Upgrade£290
Citizen Swift 9 + Colour Upgrade£195
Starjet Bubblejet Printer, SJ48£229
Canon BJ10EX£234
HP Deskjet 500 + Leads£352
HP Deskjet 500 (colour)£499
Sheetfeeder£58
All above come complete with leads

AMIGA HARD DRIVES / HARD CARD (GVP SERIES II)

FOR A1500
52Mb h/card (0-8Mb)£275
120Mb h/card (0-8Mb)£445
FOR A500
52Mb h/drive (0-8Mb)£345
120Mb h/drive (0-8Mb)£460
Upgrade the above with 1Mb SIMM module £39

VORTEX AT ONCE PLUS

PC Emulator for A500, A500 plus and A1500
£199 inc. VAT

AMIGA DRIVES

1 Meg 3.5" Internal£55
1 Meg 3.5" External (Cumana)£67

PREMIER MAIL ORDER

Titles marked * are not yet available and will be sent on day of release.

Please send cheque/PO/Access/Visa No. and expiry date to:

Dept AF40, 10 Tinkler Side, Basildon, Essex SS14 1LE

Please state make and model of computer when ordering. P&P inc. UK on orders over £5.00. Less than £5.00 and Europe add £1.00 per item. Elsewhere please add £2.00 per item for Airmail. These offers are available Mail Order only.

Telephone orders: Mon-Fri 9am-7pm. Saturday 10am-4pm. Fax orders: 0268 590076. Tel orders: 0268 590766

Next day service available - ring for details.

2 Hot 2 Handle	18.99	Goblins *	16.99	PGA Golf Courses	9.99
4 Wheel Drive	19.99	Godfather Action	19.99	PGA Tour Golf	16.99
Addams Family	16.99	Godfather Adventure	24.99	Pinball Dreams	16.99
Afterburner	6.99	Gods	16.99	Plan 9 From Outer Space	24.99
Agony	24.99	Golden Axe	8.99	Platoon	6.99
Airbus	22.99	Graham Gooch *	19.99	Pool of Radiance (1 Meg)	19.99
Air, Land, Sea	24.99	Graham Taylor	16.99	Pools of Darkness (1 Meg)	21.99
Air Support *	19.99	Gunship 2000 * (1 Meg)	22.99	Populous	8.99
Alien 3	19.99	Guy Spy	19.99	Populous 2 (1 Meg)	19.99
Altered Beast	6.99	Hard Drivin	6.99	Powerdrift	8.99
Amos	29.99	Harlequin	16.99	Powermonger	19.99
Amos 3D	24.99	Harpoon	22.99	Powermonger Data Disk 1	9.99
Amos Compiler	19.99	Harpoon Battleset 3	9.99	Premiere (1 Meg) *	19.99
Another World	19.99	Harpoon Battleset 4	9.99	Predator	6.99
Arkanoid 2	6.99	Harpoon Scenario Editor	13.99	R-Type	6.99
Award Winners	16.99	Head Over Heels	6.99	Railroad Tycoon (1 Meg)	22.99
Arsenal FC *	16.99	Heart Of China (1 Meg)	22.99	Rainbow Collection	13.99
Ashes of Empire *	22.99	Heimdall (1 Meg)	19.99	Rainbow Islands	6.99
Assault on Alcatraz	16.99	Hitchhikers Guide	7.99	Rambo 3	6.99
B17 Flying Fortress (1 Meg) *	22.99	Hoi *	16.99	Ramparts *	16.99
Batman Caped Crusader	6.99	Hook	16.99	Reach for the Skies *	22.99
Batman the Movie	6.99	Humans *	19.99	Realms (1 Meg)	19.99
Battletoads *	19.99	Hunter	19.99	Red Baron (1 Meg)	22.99
Billy the Kid *	16.99	Ian Botham	19.99	Red Heat	6.99
Birds of Prey (1 Meg)	22.99	IK+	6.99	Red Zone *	16.99
Black Crypt	19.99	Indy Jones - Atlantis Action *	19.99	Rise of the Dragon (1 Meg)	22.99
Blues Brothers	16.99	Indy Jones - Atlantis Adv * (1 Meg)	24.99	Risky Woods	16.99
Board Genius	19.99	Int Sports Challenge	19.99	Robin Hood	16.99
Bonanza Bros	16.99	Ishar	19.99	Robocod	16.99
Bubble Bobble	6.99	Ivanhoe	6.99	Robocop	8.99
Budokan	8.99	Jack Nicklaus Clip Art	9.99	Robocop 3	16.99
Cabal	6.99	Jack Nicklaus Extra Courses	9.99	Rock Star Ate My Hamster	4.99
California Games	6.99	Jack Nicklaus Golf	12.99	R-Type 2	16.99
California Games 2*	16.99	Jack Nicklaus Unlimited Golf (1 Meg)	19.99	Rugby World Cup	16.99
Carl Lewis Challenge *	16.99	Jaguar XJ220 (1 Meg)	16.99	Run the Gauntlet	6.99
Campaign *	22.99	Jimmy Whites Snooker	19.99	Secret of Monkey Island (1 Meg)	16.99
Castles	19.99	John Barnes (1 Meg)	16.99	Secret Monkey Island 2	24.99
Centurion	8.99	John Madden	16.99	Sensible Soccer	16.99
Championship Manager (1 Meg)	16.99	Keys of Maramon *	16.99	Shadow Lands	19.99
Chaos Engine *	16.99	Kick Off 2 (1 Meg)	11.99	Shadow Warriors	6.99
Chase HQ	6.99	Kick Off 2	9.99	Shinobi	8.99
Chuck Rock 2 *	16.99	Kings Quest 5 (1 Meg)	22.99	Shoot Em Up Con Kit	8.99
Civilisation (1 Meg).....	22.99	Knightmare	19.99	Shuttle *	34.99
Conan The Cimmerian *	19.99	Knights of the Sky (1 Meg)	22.99	Silent Service 2 (1 Meg)	22.99
Cool Croc Twins *	16.99	K.O 2 - Final Whistle	8.99	Silkworm	8.99
Covert Action (1 Meg)	22.99	K.O 2 - Giants of Europe	7.99	Silly Putty *	16.99
Crazy Cars 3	16.99	K.O 2 - Return to Europe	7.99	Sim Ant	22.99
Cruise For A Corpse	19.99	K.O 2 - Winning Tactics	5.99	Sim City+Populous	19.99
Cyberball	6.99	Laser Squad 2 *	16.99	Simpsons	16.99
Daley Thompson Challenge	6.99	Last Ninja 2	6.99	Smash TV	16.99
Dark Sun: Shattered Lands *	21.99	Last Ninja 3	16.99	Space 1889 (1 Meg)	19.99
Death Knights Of Krynn (1 Meg)	19.99	Leander	16.99	Space Crusade	16.99
Deluxe Paint 4	54.99	Leathal Weapon 3 *	16.99	Special Forces	22.99
Demonsgate *	22.99	Leather Goddess	7.99	Strider	6.99
Dizzy Collection	16.99	Legend	19.99	Striker (1 Meg)	16.99
Double Dragon	8.99	Leisure Suit Larry 5 (1 Meg)	22.99	Strip Poker 2 + Data	6.99
Double Dragon 2	8.99	Lemmings	14.99	Stunt Car Racer	6.99
Double Dragon 3	16.99	Lemmings Construction Kit *	16.99	Super Hang On	6.99
Dragon Ninja	6.99	Lemmings Data Disk	13.99	Super Tetris *	16.99
Dreadnought	19.99	Links	24.99	Switchblade	6.99
Dune	19.99	Lombard Rally	6.99	Switchblade 2	16.99
Dynablaster	19.99	Lord of the Rings	19.99	Team Yankee	19.99
Elf	16.99	Lure of the Temptress	19.99	Team Yankee 2 (1 Meg)	19.99
Elvira 2 (1 Meg)	24.99	M *	21.99	Teenage Mutant Turtles 2	16.99
Epic	19.99	M1 Tank Platoon	19.99	Terminator 2	16.99
Euro Football Champ	16.99	Magic Pockets	16.99	The Immortal (1 Meg)	8.99
Eye of the Beholder (1 Meg)	19.99	Man Utd. Europe	16.99	The Manager	19.99
Eye Of The Beholder 2 (1 Meg)	21.99	Mega Fortress (1 Meg)	22.99	Their Finest Hour (1 Meg)	19.99
Eye of the Storm *	19.99	Mega Lo Mania	12.99	Thunderhawk	19.99
F15 Strike Eagle 2 (1 Meg)	22.99	Mega Sports	19.99	Titus The Fox	16.99
F16 Combat Pilot	8.99	Mega Traveller 1 (1 Meg)	19.99	Toki	16.99
F19 Stealth Fighter	19.99	Mega Traveller 2 (1 Meg)	19.99	Troddlers *	16.99
Falcon 3 *	24.99	Microprose Golf	22.99	Turbo Challenge	8.99
Final Fight	16.99	Microprose Soccer	6.99	Turbo Challenge 2	16.99
Fire and Ice	16.99	Midnight Resistance	6.99	Turbo Challenge 3 *	16.99
First Samurai + Mega-Lo-Mania	19.99	Midwinter 2 (1 Meg)	22.99	Turbo Outrun	6.99
Flag *	19.99	Might & Magic 3 (1 Meg)	29.99	Turrican 2	9.99
Flood	8.99	Moonstone (1 Meg)	19.99	TV Sports Baseball *	19.99
Football Crazy	16.99	New Zealand Story	6.99	Ultima V	19.99
Football Director 2 (1 Meg)	16.99	Nigel Mansell World Champ *	16.99	Ultima 6 (1 Meg)	19.99
Formula One Grand Prix	22.99	Nightbreed Action	6.99	Untouchables	6.99
Fun School 4 under 5	16.99	Operation Thunderbolt	6.99	Utopia + Data Disk	19.99
Fun School 4 5-7	16.99	Operation Wolf	6.99	UMS 2 (1 Meg)	19.99
Fun School 4 7-11	16.99	Ork	19.99	Voyager	6.99
Games 92-España	19.99	Outrun	6.99	Wing Commander (1 Meg) *	22.99
Gauntlet 3	16.99	Outrun Europa	16.99	Wizball	6.99
Ghostbusters 2	6.99	Pang	6.99	Wizkid *	16.99
Ghouls and Ghosts	6.99	Paperboy 2	16.99	Wolf Child	16.99
G LOC	16.99	Parasol Stars	16.99	Zool-Station *	16.99

SPECIAL OFFERS

UPGRADE YOUR AMIGA TO 1 MEG

1/2 Meg Upgrade - £24.99

1/2 Meg Upgrade + clock - £26.99

Mega Lo Mania - £12.99

Shadow of Beast - £9.99

The Kristal - £9.99

Wild Wheels - £4.99

Colonel's Bequest - £12.99

Mercenary 3 - £9.99

3.5" EXTERNAL DRIVE ONLY £49.99

JOYSTICKS

Quickjoy Topstar - £16.99

Speedmouse - £15.99

Quickjoy 2 Turbo - £9.99

Fighter - £4.99

Quickjoy Jetfighter - £10.99

BLANK DISKS

Unbranded

10 x 3.5" DSDD - £5.99

20 x 3.5" DSDD - £10.99

50 x 3.5" DSDD - £23.99

100 x 3.5" DSDD - £44.99

Branded - TDK

3.5" DSDD - £1.25 Each

Re-Cycled Formatted Disks

10 x 3.5" DSDD - £4.50

20 x 3.5" DSDD - £8.50

50 x 3.5" DSDD - £16.00

100 x 3.5" DSDD - £30.00

★ NEWS FLASH ★

Attention all computer owners - the following information will seriously improve your life.

Are you considering buying a modem?

Have you recently bought a modem?

We have put together an information package that will save you from hours and hours of frustration and will save you pounds and pounds in wasted phone calls.

Send for your free up to the minute information package

Crystal Concepts (AF), 85 Danes Avenue,
Wigan WN2 4EQ Or Tel 0942 523387

★ THE INFORMATION PACKAGE WE WILL SEND YOU WILL CHANGE YOUR LIFE FOREVER. ★

The Mouse Yoke®

At last you really can take control with this ingenious device.



The Mouse Yoke® does not need a game card or special items, it uses your own mouse for smooth and accurate control, unrivalled by some yokes costing over 3 times as much. More fun and less hassle for only

£24.95

Suitable for most computers inc. portables

RC. Simulations
Unit 1b Beehive Trading Estate, Crews Hole Road, St. George, Bristol BS5 8AY
Tel: (0272) 550900 Fax: (0272) 411052
If information only required, please enclose SAE quoting interest.
Prices exclude p&p. Please add £1.95.
Please allow up to 21 days for delivery.



The Tipster®

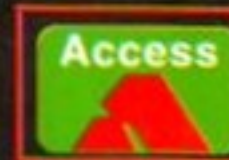
- The worlds best selling Horse racing software
- Uses information from daily newspapers
- National Hunt, Flat and Dirt
- Available in your local software shop
- "At the price, no self respecting punter can afford to be without it". (Amiga Format)
- "A nice little earner". (Amiga Computing)

Tipster is available in two versions, costing £29.95 each. The *International* version is for use with daily newspapers while the *Professional* is for use with *The Racing Post*. Please phone for a demo disk (£9.95 refundable) which also contains *The Punter (Pools)*, *The Dogs (Greyhounds)* and *The Bookie (Odds Calculator)*.



£29.95

inc VAT



Sidmouth Software

PO BOX 7, SIDMOUTH, DEVON EX10 0TD
TELEPHONE 0395 67073

BUY YOUR SOFTWARE FROM US.

WE'LL BUY IT BACK!

MCS

MATRIX SOFTWARE CLUB

As a Matrix member you can choose from our extensive lists of the latest and the popular software with our absolute guarantee to buy them back. AND you don't have to pay until you've decided.

• TOP NAME

GAMES, BUSINESS AND UTILITY SOFTWARE

(sorry no PD or Shareware)

• NO COMMITMENT TO BUY

• SUPER FAST SERVICE • ESTABLISHED 1981

• OVER 2,500 MEMBERS

To find out about the unique Matrix money saving scheme call our 24 hour hotline 0920 484479

Or send a large s.a.e. stating your machine (IBM/PC 3.5", Amiga, Atari ST) to:

Matrix Computing Services, Dept AMF11, 2 Frenchs Yard, Amwell End, Ware, Hertfordshire SG12 9HP

WIN!

SUPER NINTENDO
0839 03 03 67

WIN!

SEGA MEGA DRIVE
0839 03 03 74

WIN!

NIKE AIR JORDANS
0839 03 03 73

BIG CASH PRIZES TO BE WON!

MOVIE TRIVIA QUIZ
0839 03 03 84

BIG MONEY GAME
0839 03 03 75

WIN £100 IN 2 MINUTES!
CASHCADE
0839 44 22 33

Calls cost 36p per min cheap rate 48p all other times. Questel PO Box 3000 N20 9RB

BUILD YOUR OWN ROBOT

With the **AMIGA INPUT/OUTPUT PORT** **£27.95**
Now you can use your Amiga to switch electric motors, respond to sensors and control robotic devices. 11 Outputs for motors etc. Up to 13 inputs for sensors + 2 analog inputs. Easy to program in AMIGA BASIC, AMOS, GFA & HISOFT. 21 page User Manual. "An outstanding value for money product." Amiga Computing



AMAZING SENSOR & CONTROL EXPERIMENTERS KIT **£27.95** £1 OFF if purchased with I/O Port.
6 plug-in Projects. No soldering required. Includes relay module, motor, tilt sensor, reed switch, light bulb, 4 LEDs, powerful software on disk and FREE "Guide to Amiga Interfacing"

JUST RELEASED...ROBOT BUGGY KIT £17.95 easily programmed to move forward, reverse, turn, draw shapes etc. Requires I/O Port + Dual Motor Controller (£17.95) + mains adaptor (£7.50) + Buggy disk (£4): complete buggy package (excl. I/O Port) £44

TEMPERATURE & LIGHT EXPERIMENTERS KIT **£11.95**

Thermo & Photo sensors plug into analog inputs + superb 'Amitrol' software.

MAINS CONTROLLER MODULE **£22.95**

(Standard mains socket). Handles 15 amps
FREE INFORMATION PACK ON ALL PRODUCTS: PLEASE PHONE OR WRITE

IF NOT SATISFIED, RETURN ANY PRODUCT WITHIN 10 DAYS FOR A FULL REFUND.

Please send cheque payable to SWITCHSOFT or ring Switchsoft on 0325 464423. Prices include P&P. Overseas add £4.

SWITCHSOFT Dept AF1192
26 Ridgeway, Darlington,
Co. Durham DL3 0SF



MAKE YOUR AMIGA EARN!

Yes, making money with your AMIGA becomes incidental when you know how! Your AMIGA is, if only you knew it, a gold mine. The size and make is irrelevant. Make the initial effort NOW by starting your own HOME BASED BUSINESS.

This may be the most important move you will ever make!

REMEMBER: You'll never get rich by digging someone else's "ditch". Anyone in the country, including YOU, can become very rich in a relatively short period of time just by doing a few basic things! It's more rewarding than playing games.

The benefits are many and varied.
Full or part time.

For FREE DETAILS SEND S.A.E. to:

Home Based Business.

AF35, 31 Pilton Place, King and Queen Street,
Walworth, London SE17 1DR.

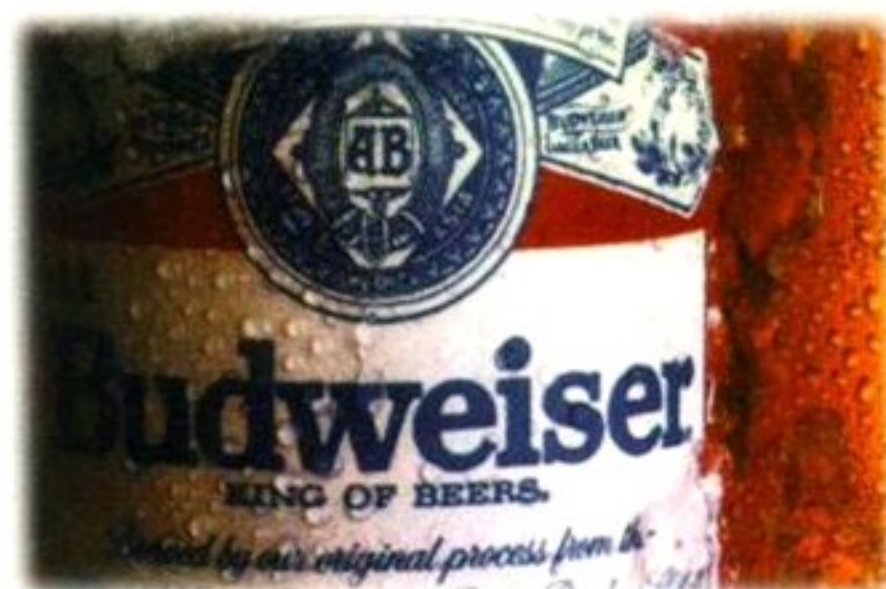


Apparently the Polish government is considering asking people to pay in order to visit the Auschwitz death camp. Just think about that. Pay-to-get-IN! There is one thing to have a memorial but another to create a freak show – financially self-supporting or not.

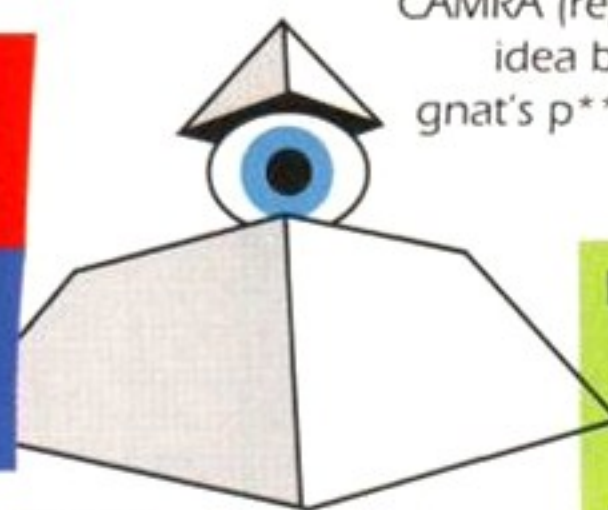
Bloody drug addicts, they just do it deliberately. Well, you tell that to a bunch of monkeys in Ghazipur, eastern India. These poor critters are now heroin addicted after drinking water from the river Ganges that was polluted by a factory making the toxic and illegal drug.

Okay, so it's the worst joke of the month, and we won't even bother supplying the punchline, but the feedline goes something like this... Q: Who scored more times than anyone else in a Chelsea shirt?

Budweiser, now there's a beer to conjure with. Or rather, there's two beers to conjure with. With the countries of what used to be the Eastern Bloc greeting capitalism with open wallets, the argument has sprung up about whether the Czech company who thought up the name, or the giant American company (Anheuser Busch) that uses it as well will merge. It seems that the huge US concern would like this option. According to a taster for CAMRA (reported in The Independent) this would not be a good idea because: "It's simple, one tastes like beer, the other like gnat's p***." For reasons of not wanting to get sued, we won't say which one we think he or she means.



Actual Reality



Ahhh! Panic. Reality toughens up as we head inexorably towards the horror-comedy of the US elections (in which we still don't get a vote). Fact becomes fiction, and fictions become saleable. Once again the world surrounding the Amiga envelopes us all in strangeness and little charm

Football fun (there is still some left). Bottom of the table West Ham playing Manchester City last year. The City fans screamed: "Going down! Going Down! Going Down!". The Hammer's fans responded: "So are we! So are we! So are we!". And West Ham aren't noted for being quick!

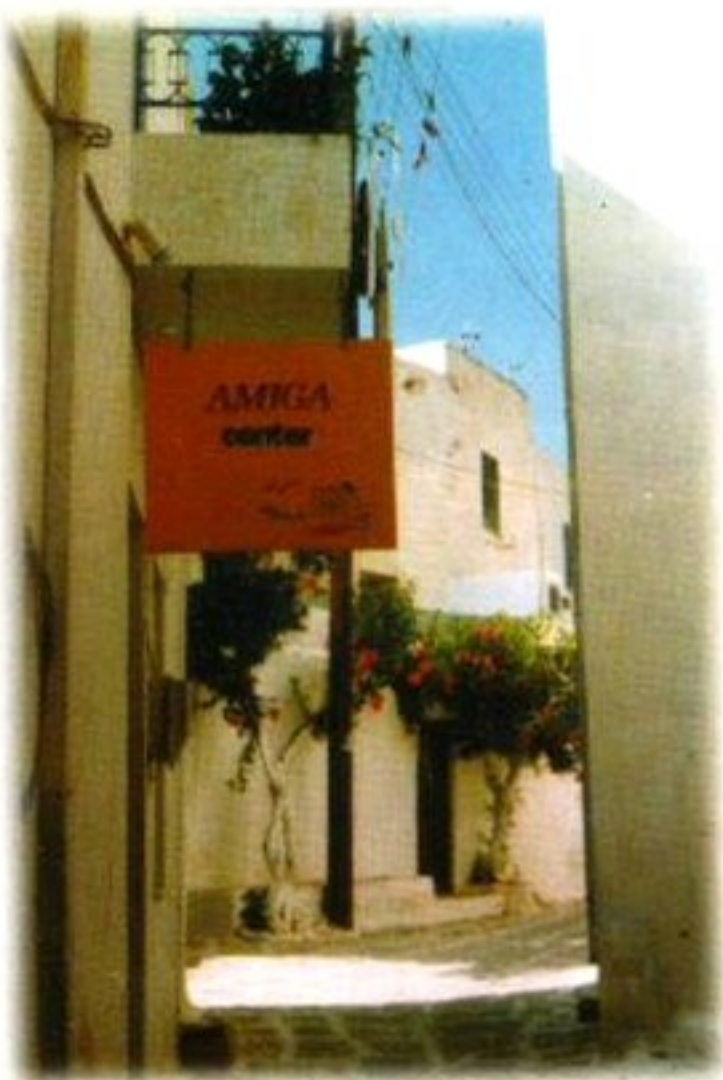
A company called Genuflex is responsible for making new, air conditioned cushioned and microphoned confessional booths for the Catholic church in Italy. Mea culpa!

And you thought it was all ad lib... AF recently came across a fascinating publication called *Broadcasters (sic) Q Sheet*. Written with all those sound-a-like local radio DJ's in mind, the mag' is full of rivetting gobbets of trivia like: On this day in 1930 the two halves of the Sydney Harbour Bridge were joined, and in 1971 a black and white TV licence would have cost you £6, whilst a colour one would set you back a whole £11. Pages and pages of the same inane drivel that makes you want to take the microphone and ram it right up your local DJ's... (that's enough DJ'ing inanity ed).

The financial world is in safe hands, at least in Sweden where the Finance Minister is called Ann Wibble.

Hi-tech warfare corner... although president-to-be Bill (not a Kennedy clone at all) Clinton missed going to Vietnam (shame!) he still knows the value of a good war. Recently he stated that we had all seen Patriot missiles "...going through doors and down chimneys". Whoops! Vice president (and not a silly little man at all) Danforth Quayle leapt to the fore with a correction for Bill: "Bill Clinton didn't know the difference between the Patriot and the Cruise missile." Whoops on you this time Dan (who, by the way, was the deputy Chief Commanding Officer of absolutely everything during the Gulf War/Crisis/Conflict, and so should know better) the house-calling missile they were both referring to was of the laser-guided variety. God knows what Dan and Bill would have done to the Vietnamese... now was it the North Vietnamese who were the good guys or was it the South?

Worldwide, that's the Amiga family. Buried deep in the historically very significant (as Frank would probably say: "Democradacious, Platomungous, Socratastic mate) nation of Greece – well Paros to be exact – is this Amiga Centre. 'Top Games!' says the sign, 'Free Software' it continues. Looks hot, sounds free, we love it! In fact we bet that the famously fun-loving Greek government use this emporium all the time for their Amiga needs (well it beats playing Elgin Marbles) Thanks to Amanda of Today's Vegetarian for sending in the piccie.



Amiga Format Issue 40

EDITORIAL CONTRIBUTORS

Jason Holborn Neil West
Peter Molyneux Ed Ricketts
James Leach Phil South
Brian Larkman

Thanks to Amanda Cook, Cliff Ramshaw, Sarah Tanser, Julie Tolley... and our mums!

PROMOTIONS ASSISTANT Tamara Ward
PHOTOGRAPHY Ashton James, Bradford-on-Avon;
PRODUCTION TECHNICIANS Pat Leith, Jon Moore, Simon Windsor, Simon Chittenden, Chris Stocker, Andy Parker. A new bloke called Greame, but not Jerome... definitely not Jerome.
COLOUR ORIGINATORS Phoenix Repro
PRINTERS Chase Web, St Ives PLC, Plymouth
NEWS TRADE DISTRIBUTION UK
Future Publishing 0225 442244
NEWS TRADE DISTRIBUTION OVERSEAS:
MMC Ltd 0483 211222



Home of Britain's finest magazine.

AMIGA FORMAT

Amiga Power • Amiga Shopper •
ST Format • Sega Power • Mega
Super Play • Total • Future Music
Amstrad Action • Your Sinclair
Commodore Format • PC Answers
PC Plus • PC Format • PCW Plus
Cycling Plus • Mountain Biking U.K.
Needlecraft • Classic CD
Crosstitch • Photo Plus

Your guarantee of value

This mag comes from Future Publishing, a company founded just seven years ago but now selling more computer magazines than any other in Britain. We offer:

Better advice. Our titles are packed with tips, suggestions and explanatory features, written by the very best in the business.

Stronger reviews. We have a cast-iron policy of editorial independence and our reviews give clear buying recommendations.

Clearer design. You need solid information fast. So our extremely talented art

staff highlight key elements using charts, diagrams, summary boxes, and so on...

Greater relevance. At Future, Editors operate under two golden rules:
● Understand your readers' needs.
● Then satisfy them.

More reader interaction. We draw on readers' contributions, resulting in the liveliest letters pages and the best reader tips. Buying one of our magazines is like joining a nationwide user group.

Better value for money. More pages, better quality – magazines you can trust.

ADVERTISERS INDEX

16 Bit Centre	204	0423 526322	Font Shop	207	0526 398403	Power Computing	IBC, 114-115, 250	0234 843388
17 Bit Software	198	0924 366982	Future Ent. Show	218-219	0225 442244	Premier Mail Order	246	0268 590091
1st Choice (Leeds)	26-27	0532319057	Future Music	134-135	0225 442244	Profile	228	0926 815855
ACS Electronics	245	091 455 4300	FutureWorld	131-133	0234 218060	RC Simulations	247	0272 550900
Acorn	28	0223 245200	Futuretech	40	0908 211665	Rubysoft	170	071 381 8998
Amiga Power	86-87	0225 442244	Gasteiner	154	081 365 1151	Sidmouth Software	247	0395 67073
Amiga Shopper	160-161	0225 442244	Gold Disk	46	0101 310 320 5080	Silica	91,193,199,215,225,239	081 309 1111
Analogic	240	081 541 4671	Grapevine	228	0101 914 357 2424	Siren Software	49	061 724 7572
Anglia PD	201	0394 283494	Harwoods	60-63, 157, 186	0773 520252	Snap Computers	249	0703 457111
Ashcom	93	0530 411485	Hill Regis	130	071 229 7231	Softstore	130	0753 686000
Audition Computers Ltd	216-217	0780 55888	Hobbyte	220-221	0727 56005	Space City Music	247	
Axe Direct	159	081 446 5950	Home Based Business	247	071 701 8490	Spectra Video	127	081 900 0024
Barkman	240	081 546 5941	Intermediates	10-11, 169	0279 600770	Computaworld	128, 194-195	0253 21657
Bitcon	189	091 490 1919	Jumping Bean	44	0602 792838	Stanhouse Entertainment	196	0244 382 435
Brighton Computer Supplies	174-175	0273 506269	Kosmos	198	0525 873942	Strategic Plus	240	081 977 8088
Britannia Building Society	12		LCL	245	0491 579345	Super Play	96	0225 442244
Brittans	214	071 278 7602	Ladbrook	233	0772 203166	Supreme Software	148	081 808 3662
Citizen	109	0800 525 1025	MJC Supplies	171	0462 481166	Switchsoft	247	0325 482454
Commodore	22	0628 770088	Manga Video	33		Sysons	245	081 907 2100
Computermates	238	0753 631101	Matrix Software	247	0920 444224	Dataplex	245	0753 535557
Core Design	38	0332 297797	Mega	90	0225 442244	System Compbac	228	010 813 3837 8689
Crystal Concepts	247	0942 523387	Merlin Express	98-99	0632 441442	Talking Birds	141	0702 523607
Dart	228	0533 470059	Microdeal	116	0726 68020	Thalion	50, 55	01049 524124939
Datagem	202	071 608 0624	Micromail	84-85	0734 505514	The Producers	97	0480 496446
Datel Electronics	180-184	0782 744707	Microprose	25	0666 504326	Tom Petty Promotions	207	0289 331122
Diamond Computers	136-138	0703 232777	Mindscape	53, 59	0444 246333	Tottenham Court Rd Computer Exchange	189	071 388 2613
Direct	235	0908 371650	Mountian Biking UK	198	0225 442244	Trilogic	208-209	0274 691115
Direct Computer Supplies	201	0630 653193	Nova Computers	240	0606 737551	US Gold	15, 88-89, 105, 95, 141	021 625 3388
Disc Company France	162-163	01033 149109995	Novatech	172	0705 664144	Virgin	0BC	081 960 2255
Dynamite Computers	80-81	0234 218060	Ocean	IFC, 3, 21, 56, 64	061 832 6633	WTS Electronics	102-103, 235	0582 491949
Eagle Software	224	081 361 1933	Origin	17	0444 246333	Walkabout Music	198	0726 813807
Electronic Arts	34-35	0753 549442	PD Soft	205	0702 566933	We Serve	122	0705 325354
Europress Software	166-167	0625 859333	Pandaal International	214	071 328 4442	Wizard	150	0234 241060
Evesham Micros	226-227	0386 765500	Philips	76	See advert	ZCL	118-121, 143-147	0543 414817
Fairwind PD	189	0271 44393	Phoenix	70-71	0532 319061			
Firecrest Distribution (New Dimension)	207	0875 850028	Port One PD	198	0203 680016			
			Post Haste	190	0227 766788			

PREMIUM BULK 3.5" DS/DD DISKS

25	10.99
50	20.50
100	36.99
250	84.99
500	164.99



ALL DISKS ARE FULLY GUARANTEED AND ARE COMPLETE WITH LABELS

3.5" SUPERIOR LOCKABLE DISK BOXES

100 Capacity	4.49
120 Capacity	6.49

3.5" PREMIUM DISKS WITH OUR BOXES

100 Cap. box + 50 3.5" DS/DD	24.49
120 Cap. box + 100 3.5" DS/DD	42.99
90 Cap. Bank box + 50 3.5" DS/DD	29.49

3.5" BANK BOX - 90 CAPACITY

A SUPERB PRODUCT WHICH IS BOTH LOCKABLE AND STACKABLE

ONE	9.95
TWO	18.95
THREE	26.95

On stand 4710 at:



SNAP
COMPUTER
SUPPLIES LTD

HOTLINE

0703
457111

RIBBONS - POST FREE

Full Mark Brand	2 off	4 off
	PRICE EACH	
Citizen 120D/124D Swift 24	2.75	2.55
Citizen Swift 24 Colour (original)	15.00	
Panasonic KXP 1080/1123/1124	3.25	3.05
Star LC10/LC20	2.60	2.40
Star LC10-4 Colour	5.90	5.70
Star LC24-10	2.95	2.75
Star LC24-10 Colour (original)	12.50	
Star LC200	3.00	2.80
Star LC200 Colour (original)	11.50	
Star LC24-200	2.95	2.75
Star LC24-200 Colour (original)	12.50	
Ribbon re-ink	12.95	

ACCESSORIES - POST FREE

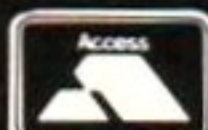
Amiga External Drive	49.99
A500 1/2MB upgrade with clock	23.99
A500 1/2MB upgrade without clock	21.99
Mouse Mat	2.99
Mouse Holder	2.99
Roll 1000 3.5 Disk Labels	8.99
Amiga A500 dust cover	3.50
Phillips monitor cover	3.99
Star LC10, Star LC20 covers	
Star LC24-10, Star LC24-200 covers	3.99

All products are subject to availability - All prices include VAT. Please add £3.50 p+p for disks and boxes. E&OE.



SNAP COMPUTER SUPPLIES LTD Fax: 0703 457222

Unit 16, The Sidings, Hound Rd, Netley Abbey, Southampton SO3 5QA



Award winning innovative products from

A2000 Hard Cards

GVP Series 2 HD

- Up to 8Mb SIMM RAM on-board
- Supports external SCSI devices
- FaaaST ROM 4.0
- 14MHz SCSI controller

52QMB 0MB	£279	105QMB 0MB	£479
52QMB 2MB	£339	105QMB 2MB	£539
52QMB 4MB	£399	105QMB 4MB	£599
52QMB 8MB	£469	105QMB 8MB	£749

Nexus Hard Card



- Up to 8MB RAM on-board

Bare	£199		
52QMB 0MB	£279	105QMB 0MB	£479
52QMB 2MB	£339	105QMB 2MB	£539
52QMB 4MB	£399	105QMB 4MB	£599
52QMB 8MB	£469	105QMB 8MB	£749

Bare SCSI Hard Drive

52 Quantum	£199	105 Quantum	£299
------------	------	-------------	------

(Suitable for GVP G-Force, GVP HD or Nexus HC)
Other sizes of HD available, please call

RAM Expansion

- Aries A1500 / A2000 RAM

2MB	£129	6MB	£209
4MB	£169	8MB	£249

Macintosh Emulator

"This really is the best emulator we've seen for the Amiga. It behaves just as if you really were using a Mac"

Amiga Format Sept 1992

AMax-II Plus

- Amiga 1500 and above
- Runs Mac software
- Runs System 7
- Full support for all SCSI Mac peripherals and the ability to read Mac disks in your drives
- 68020/68030 compatible
- AppleTalk emulation
- Can use Amiga ECS
- Easy to install

AMax-II Plus£299
(Mac ROM chips required)



24-Bit Colour

OpalVision

- 24-bit graphic card
- 16.8 million colours available
- Operates in all standard Amiga resolutions
- VLSI Microcode graphics co-processor
- Double buffered 24-bit and 15-bit animation is available in all resolutions
- 'Palatte-mapped' design updates screen colours in real-time. Fade pictures in and out and change their palettes
- Equipped with 1.5MB of display RAM
- Auto-config for NTSC or PAL
- Available for all Amigas

Software included

OpalPaint

- 24-bit painting and image processing

OpalPresents

- Presentation program
- Control OpalVision images, Amiga graphics and live video
- Includes fades, effects etc.
- Many more features

King of Karate

- 24-bit computer game
- Exciting karate competition
- Demonstrates OpalVision capabilities

OpalVision£899

More information available
OpalVision roaster chip available soon

Monitors

"For a monitor of this quality, the CM8833 is worth every penny"

Amiga Format Sept 1992

"The 4FG is an absolutely smashing monitor that beats every competitor"

Amiga Format Sept 1992

Philips CM8833 Mk2

- With cable
- Available with Lotus Turbo Challenge 2 or F19 Stealth Fighter
- On-site maintenance

CM8833 Mk2£199

NEC Multisync 4FG

- For use with Flicker Fixers
- Very high quality
- Built-in degausser

NEC Multisync 4FG£549



Optical Hard Drive



- Manufactured by Power Computing
- 128MB on one optical disk
- Read and write optical disks
- 40ms running speed
- Built-in power supply
- High power cooling fan
- 25-way and 50-way SCSI ports
- Thru port built-in
- SCSI ID switch
- Compatible with major SCSI controllers

128MB optical drive (Internal)£729

128MB optical drive (External)£999

128MB 3.5" optical disk£39.95 each

SCSI controller card
for A1500 / A2000£199

(Compatible with Amiga, PC, and Mac. A SCSI controller is required on the Amiga and PC)

Commodore A1500

- 1MB of RAM
- Two 3.5 internal disk drives
- Fully expandable, accepting all A2000 peripherals
- Keyboard and mouse
- Software included
- The Works Platinum Edition
- Delux Paint III
- Home Accounts
- Puzznic game
- Toki game
- Elf game

A1500£599

Accelerator

GVP G-Force

- 68030 accelerator board
- 68882 Maths co-processor
- DMA SCSI controller on-board
- 68000 fall-back mode
- Only CPU slot is used
- Internal and external SCSI connector
- Converts to hard card with Hard Drive mount kit
- 32-bit RAM as standard

25MHz 1MB RAM£579

40MHz 4MB RAM£879

50MHz 4MB RAM£1249

Hard drive mount kit£35

Award Winning Manufacturers
Power products come with full technical support

Order Form

Name

Address

Postcode

Tel. No.

Description

Credit Card No.

Expiry Date

Signature

I enclose cheque/PO for £

Tel 0234 843388
Fax 0234 840234

Power Computing Ltd
Unit 8 Railton Road
Woburn Road Ind. Estate
Kempston Bedford
MK42 7PN



Established 1985

Specifications & prices subject to change with out notice
All trademarks acknowledged
VAT & delivery included

Printers

All printers include cables and next day delivery

Star Printers

- LC200 colour£199
- LC24-200 mono£239
- LC24-200 colour£289

Citizen Printer

- Swift 24e£279
(includes colour kit and AMI)

Epson Printers

Laser

EPL 4000

- Ideal 'First time' Laser printer
- Print speed of 6ppm
- Print superb quality text and graphics
- Ideal upgrade from dot-matrix

- EPL-4000£639

EPL 4300

- High quality laser printer
- Print speed of 6ppm
- 1MB memory
- Expand to 6MB
- Adobe postscript option
- 100 sheet tray

- EPL-4300£799

EPL-8100



- Prints speed of 10ppm
- 1MB memory expandable to 6MB
- Microsoft printing
- Ritech
- 27 font
- 250 sheet papertray
- Adobe postscript option
- Intelligent/Remote emulation switching
- Parallel/Serial interface
- Networking capabilities
- Can serve 2-3 users
- Shared printing

- EPL-8100£1349

Inkjet

SQ-870



- New generation inkjet
- Advanced paper handling
- Print scalable fonts
- 660cps print speed
- 360 x 360 DPI print quality
- 128K printer buffer
- Handles four paper types

- SQ-870£509
- SQ-1170£629
(132 column printer)

Dot Matrix

LQ570

- Four feed paths
- Flexible paper management
- 225cps print speed
- Easy access control panel
- Memory stores around 4 full pages of text
- Print text and graphics
- Optional sheet feeders
- Optional tractor feeder

- LQ-570£289
- LQ-1070£449
(132 column printer)

LQ-100



- 24-pin
- 250cps print speed
- Space saving
- Scalable fonts
- Enhanced graphics
- 50 sheet A4 paper tray
- Dual position design
- Optional tractor feed
- LQ-100 fits in anywhere!

- LQ-100£209

Dot Matrix Cont.

LX-100

- 9-pin
- 240 cps in cpi draft mode
- Built-in 50 sheet paper cassette
- 1 draft and 2 NLQ fonts built-in
- No adjustment for thickness required
- Two printer positions - upright or flat
- Tractor feed
- Cut sheet feeder
- Cables

- LX100£189

Modems

Supra Modems

Supra Fax Modem V32 Bis

"It's not everyday you find a modem with the features it has at this price - you could pay over twice the price for just a modem this speed alone, without the fax facilities"

Amiga Format Sept 1992

- High quality
- Award winning
- High spec



- Supra Fax Modem Plus£136
- Supra Fax Modem v32Bis£295
- Supra Modem 2400 (External)£91
- Supra Modem 2400 ZIplus (Internal) ..£134
- Supra 9600£POA

Miscellaneous



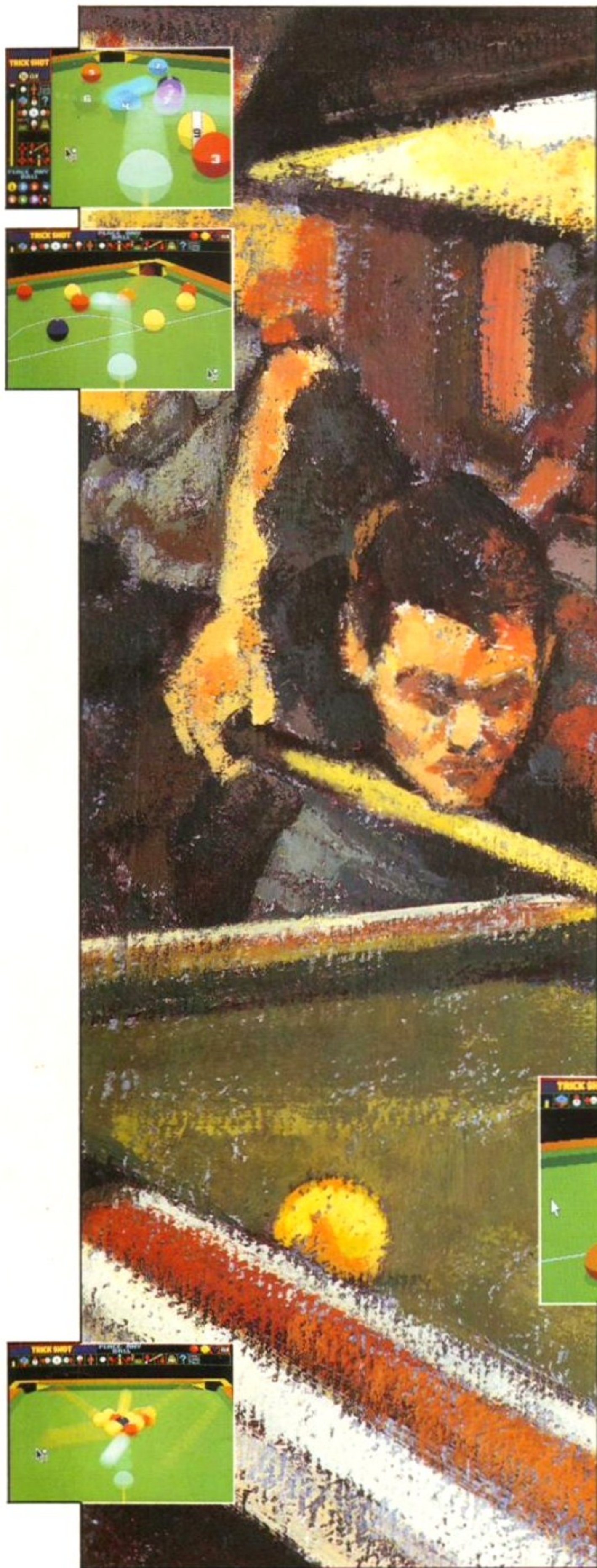
- Power Mouse£15
- Optical Mouse£29.95
- Replacement optical mouse mat ..£9.95
- 10 Maxell disks, optical mouse, Zipstick£45
- Maxell multi-colour disks (10)£9.95
- Floppy disks bulk£POA

ARCHER MACLEAN'S

done for pool what he did for snooker. Brought it balls, rules, baize and all to the home computer.

Pool features **three sets of rules:** 8-Ball UK Coin-Op, and 8-Ball and 9-Ball US Pro. You can practice or play a single match against a friend or one of **20 computer-controlled opponents.** Or why not involve yourself in a **tournament** as one of eight players?

You can leave the cue and small change at home. Archer Maclean's Pool is all you need.



FROM THE AUTHOR OF JIMMY WHITE'S WHIRLWIND SNOOKER

POOL

FEATURES

- 8-Ball & 9-Ball Play ● CoinOp & Pro Rules ● 8-Player Tournaments
- Special Trick Shot Table ● 20 True Computer-Controlled Opponents
- Fully Interactive Televisual Display.

Virgin Games 338A Ladbroke Grove London W10 5AH

